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AMERICAN NURSERYMAN

The Nurseryman's Forte: To Make America More Beautiful and Fruitful

FEBRUARY 15, 1946



Nysa Sylvatica

SEEDS

TREE—SHRUB—PERENNIAL
FLOWER—VEGETABLE

HERBST BROTHERS
92 Warren St., New York 7, N. Y.

Correspondence with seed collectors and growers invited.

Free catalog "Seeds for Nurserymen."

STOCK NOW AVAILABLE!

All stock in storage, in prime dormant condition, and ready for shipment now or when you want it. For items not listed below, please refer to our Fall Trade List or send us your Want List. Our new Spring Trade List will be mailed about February 15, 1946.

For terms and conditions of sale, see our October 10, 1945, Trade List.

FRUIT TREE SEEDLINGS

Washington-grown

APPLE	Per 1000
1/4-inch and up, Straight.....	\$28.00
1/4-inch and up, Branched.....	40.00
No. 1, 3/16 to 1/4-inch, Branched.....	25.00
No. 1, 3/16 to 1/4-inch, Straight.....	25.00
No. 2, 2/16 to 3/16-inch, Branched.....	18.00
No. 2, 2/16 to 3/16-inch, Straight.....	16.00
No. 3, about 2/16-inch.....	12.00
PEACH	
1/4-inch and up.....	35.00
No. 2, 2/16 to 3/16-inch.....	22.00
BARTLETT PEAR	
No. 3, about 2/16-inch.....	14.00
PLUM—Myrobalan	
No. 2, 2/16 to 3/16-inch.....	20.00
PLUM—Native, Shenandoah-grown	
1/4-inch and up.....	60.00
No. 2, 2/16 to 3/16-inch.....	35.00
No. 3, about 2/16-inch.....	25.00
MAHALEB	
1/4-inch and up.....	28.00
No. 1, 3/16 to 1/4-inch.....	25.00
No. 2, 2/16 to 3/16-inch.....	20.00
No. 3, about 2/16-inch.....	14.00
MAZZARD	
No. 2, 2/16 to 3/16-inch.....	20.00

GRAPEVINES

Western New York-grown

	Per 1000	
	2-yr. No. 1	1-yr. No. 1
Agawam	\$180.00	\$130.00
Beta	150.00	100.00
Brighton	200.00	150.00
Caco	250.00	200.00
Catawba	180.00	130.00
Concord	140.00	90.00
Delaware	200.00	150.00
Fredonia	180.00	130.00
Moore's Early	180.00	130.00
Niagara	180.00	130.00
Portland	220.00	160.00
Worden	150.00	100.00

VICTORIA RHUBARB

Whole Roots

	Per 1000
1½-inch and up.....	\$75.00
1 to 1½-inch.....	50.00
¾ to 1-inch.....	40.00

SOUR CHERRIES

11/16-inch and up, \$100.00 per 100.
Available only with assorted orders.
Montmorency, Large
Early Richmond

QUADRUPLET APPLES

4-N-1 Apple, on Hibernia or Virginia. Per 100
9/16-inch and up, 4½ feet and up.....\$100.00

CURRENTS

	Per 1000	
	2-yr., No. 1	2-yr., No. 2
Cherry.....		\$150.00
Fay's Prolific.....		150.00
Perfection.....		160.00
Red Lake.....		180.00
Red Cross.....	\$200.00	150.00
White Grape.....	220.00	170.00
Wilder.....	200.00	150.00

ROSE SEEDLINGS

Shenandoah-grown

MULTIFLORA JAPONICA	Per 1000
3/8-inch and up.....	\$50.00
1/4 to 3/8-inch.....	40.00
No. 2, 2/16 to 3/16-inch.....	22.00
No. 3, about 2/16-inch.....	16.00
WICHURAIANA	
No. 1, 3/16 to 1/4-inch.....	50.00
No. 2, 2/16 to 3/16-inch.....	35.00
No. 3, about 2/16-inch.....	25.00
SETIGERA	
1/4-inch and up.....	60.00
No. 1, 3/16 to 1/4-inch.....	30.00
No. 2, 2/16 to 3/16-inch.....	35.00
No. 3, about 2/16-inch.....	25.00

PHLOX

One-year, heavy, field-grown plants available for shipment at any time desired. For variety descriptions, refer to our October 10 Fall Trade List.

Prices per 100		Prices per 100		Prices per 100	
No. 1	No. 2	No. 1	No. 2	No. 1	No. 2
Annie Laurie.....	\$15.00	\$10.00	Border Gem.....	\$18.00	\$12.00
Apple Blossom.....	18.00	12.00	Champs Elysee.....	15.00	10.00
Apollo, Red.....	15.00	10.00	Charles Curtis.....	20.00	12.00
Apollo, White.....	15.00	10.00	Cheerfulness.....	20.00	12.00
B. Comte.....	15.00	10.00	Daily Sketch.....	18.00	12.00
Beacon.....	15.00	10.00	Frau Dr. Klemm.....	18.00	12.00
			Feinreuer.....	14.00	9.00
			E. I. Farrington.....	15.00	10.00
			Enchantress.....	15.00	10.00
			Eva Forrester.....	15.00	10.00
			Fairy King.....	25.00	10.00
			Fraulein Von Lassburg.....	15.00	10.00
			George Stipp.....	15.00	10.00
			General Petal.....	15.00	10.00
			Graf Zeppelin.....	15.00	10.00
			H. B. May.....	15.00	10.00
			Hauptmann Kohl.....	18.00	12.00
			Irene.....	18.00	12.00
			Juliet.....	18.00	12.00
			Mary Louise.....	\$15.00	\$10.00
			Mrs. Ethel Pritchard.....	15.00	10.00
			Mrs. Jenkins.....	15.00	10.00
			Neubert.....	15.00	10.00
			P. D. Williams.....	15.00	10.00
			Pantheon.....	15.00	10.00
			Pink Darling.....	15.00	10.00
			Prime Minister.....	15.00	10.00
			Progress.....	25.00	10.00
			R. P. Struthers.....	15.00	10.00
			Rheinlander.....	15.00	10.00
			Rijnstroom.....	14.00	10.00
			Rosea Superba.....	15.00	10.00
			Rosenberg.....	15.00	10.00
			Special French.....	15.00	10.00
			Starlight.....	15.00	10.00
			Sweetheart.....	15.00	10.00
			Wandia.....	15.00	10.00
			Wm. Kesseling.....	15.00	10.00



"One of America's Foremost Nurseries"

MOUNT ARBOR NURSERIES
SHENANDOAH, IOWA

E.S. Welch PRES.

AMERICAN NURSERYMAN

[Registered U. S. Patent Office]

The Nurseryman's Forte: To Make America More Beautiful and Fruitful

VOL. LXXXIII, No. 4

FEBRUARY 15, 1946

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CLOSING DATE—Present printing conditions require that more time be given for putting current issues of the American Nurseryman through the press. So if you send material for either the advertising or the news columns of the **March 1** issue, please mail in time to reach this office by **February 19**.



Above map does not attempt to show all products available in the various states

7 or more than 75 years, Union Pacific has served thirteen western states . . . been a partner in their development.

This vast fertile territory is more than the bread-basket of the nation. Due to its great wealth of industrial raw materials—ore, minerals, petroleum and lumber—it might also be called the nation's treasure-chest. Rivers have been harnessed—providing irrigation and power. And there is splendid rail transportation.

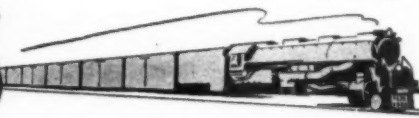
In addition to industrial and agricultural products, California and the Pacific Northwest are large sources of supply for the floriculture industry.

Union Pacific provides efficient shipping service for flowers and plants in temperature-conditioned express cars.

These thirteen western states served by the railroad are ripe for postwar expansion. They have the materials, facilities and space.

Union Pacific will continue to play its part in the future progress of this western territory by providing unexcelled freight and passenger transportation over its Strategic Middle Route.

*Be Specific—
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★ Union Pacific will, upon request, furnish information about available industrial and mercantile sites in the territory it serves. Address Union Pacific Railroad, Omaha, Nebraska.

The Progressive

UNION PACIFIC RAILROAD

The Strategic Middle Route

AMERICAN NURSERYMAN

F. R. KILNER, Editor

Editorial

SPRING TRANSPORTATION.

While nurserymen can look forward to better delivery of shipments of nursery stock the coming spring than a year ago, whatever the method of transportation, there are still some handicaps to perfect service. These should be borne in mind in making shipping plans, so that stock will reach customers as promptly and in as good condition as possible.

Late information on this matter was presented at the report of the New England Nurserymen's Association by E. M. Bush, who doubles as chairman of the transportation committee of that organization and of the American Association of Nurserymen. Because of the importance of the subject to shippers and because space is not available for publication of his full report in this issue, some of the factors that will affect spring deliveries are noted here.

While the time element entering into the transportation of LCL shipments by rail the coming spring will be reduced materially over the spring of 1945, strikes may have an effect not anticipated. While strikes of railroad workers are not expected, tie-ups in other industries which supply materials for railroads may have a marked effect on railroad operation, unless conditions rapidly improve. The longer the steel strike lasts, for instance, the greater the probability of delays in railroad transportation in spring.

For this reason it is well to give consideration to package car loading wherever possible, or to loading with some other firm, whether it be a fellow nurseryman or a manufacturer in your locality. Your local freight agent is conversant with opportunities of this kind, and if you can consolidate your shipment with that of another, so that it is transported to within a few miles of its destination before being taken from the car, considerable time will be saved in getting the nursery stock to the customer. Since conditions may become worse before they are better, it is well to plan on plenty of time for your shipment to reach its destination so as to arrive when the customer wants it.

Truck transportation will probably be better than in the spring of 1945. After ninety days, however, trucks

may be handicapped by lack of tires, due to strikes or to the stock pile of synthetics being practically exhausted. As soon as hot weather arrives, tires will begin to give trouble, and there will not be sufficient to replace all those that fail.

More use of railway express is suggested, since shipments are made with but little delay and in good condition. The slight extra expense is well worth the difference in many instances. If a shipment is valued at \$75, for instance, it is much better to pay five or ten per cent of the face value of the shipment and have the shipment arrive in top condition, rather than to pay two per cent and encounter a deterioration of twenty to twenty-five per cent because the shipments arrived frozen or dried out because of delay in transit.

Air freight is no longer a visionary means of transportation. Large transport planes have been converted into carrying furniture, implements and freight. At present the rate is rather high, but time may make this mode of transportation interesting to some nurserymen.

PAPER SHORTAGE.

The shortage in the supply of paper and paperboard is certain to continue throughout 1946 and may extend beyond this year. The situation is acute, even now, and nurserymen should not let their supplies run low with the idea that they can get all they want from their suppliers on short notice.

Lower grades of paper will be particularly hard to obtain as the year progresses, because the mills naturally will turn out those grades on which they can make a profit.

The paper industry is currently producing at the unprecedented annual rate of 18,000,000 tons. Yet demand outstrips this total.

Paper manufacturers believe production could be increased if the pulp supply could be raised. The chief reason for the protracted shortage is the inability of pulp producers to raise wages sufficiently to attract more men to work in the woods. Such inability is due to the present price structure, and OPA recently refused to give pulp mills an incentive price increase, after four months' consideration.

Large imports of pulp from Europe, since the close of the war, have not materialized. Those from Sweden in the second half of 1945 were almost at the prewar rate, but now Sweden

says that imports can be maintained at such a level only if OPA will grant a ten per cent ceiling boost, which OPA refuses to do.

Virtually every grade of paper and paperboard is affected by the shortage, so that whether you need paper for catalogs or for wrapping, or paperboard for boxes, do not be caught napping.

STATE ACTIVITIES.

Most of the members of state associations of nurserymen are in contact with the work of these organizations only through attendance at members' meetings once or twice a year and possibly through occasional bulletins issued by a few of these groups. In every state there are many more nurserymen who benefit from the work of these associations than are members, for it is a strong body which receives dues from more than one-fourth of the general nurserymen of the state, not to count the growers of perennials, berry plants and other specialties.

The officers and committees keep watch on bills introduced into the state legislature and act in regard to those that affect nurserymen. In some cases they work with the state university or state experiment station on projects that benefit the industry. Other activities, likewise, are performed largely by a few for the benefit of the many.

If closer contact were possible, so that the extent of the work carried on by the officers and committees of some of the state associations was known, the interest of the membership and better support from those not members would be in evidence.

Each nurseryman owes it to his own interest and advancement to concern himself with his state association's activities, but generally he treats these much as he does politics, leaving the work to somebody else. Yet greater support would lead to more rapid and effective cooperative advancement.

Some of the things that are being done are outlined in this issue in the address of the president of the New York State Nurserymen's Association, formed only two years ago by the three sectional nurserymen's organizations of the state. Reading of it will spur officers of other state associations to more ambitious undertakings, and it will bring to every nurseryman at least a glimpse of what can be done, and is being done.

The Mirror of the Trade

Combine in New York Convention

FIRST EASTERN REGION LANDSCAPE MEETING.

The first regional meeting of the National Landscape Nurserymen's Association was held January 24, at the Hotel Pennsylvania, New York city.

Close to 100 nurserymen, from the eastern region, were on hand to view the nursery sales yard and display grounds plans, exhibited around the meeting room.

President Donald D. Wyman, North Abington, Mass., opened the meeting with some brief remarks about the activities of this small organization, yet a very enthusiastic one. The N. L. N. A. has grown from eighty-five members last year to 155 members this year. He spoke of the responsibilities we had to our customers and asserted that it was high time we changed our ways. Mr. Wyman reported briefly on the program at Chicago the week before and on the interesting talks, reviewed in the February 1 issue of the American Nurseryman.

William Judd, of the Arnold Arboretum, near Boston, Mass., talked on "Desirable Trees and Shrubs for Landscape Use." After reviewing the history of the Arnold Arboretum, which was founded in 1869, Mr. Judd told of the world-wide travels of Charles Sargent and Ernest ("Chinese") Wilson. These men traveled more than any other persons in search for different plants to introduce and possibly distribute to commerce in the United States. Mr. Judd has done considerable traveling in this cause, also.

Mr. Judd recommended that every nurseryman maintain a little arboretum for his own observation of plant material. In his general remarks, he said he thought the process of grafting should only be followed as a last resort. Many plants now grafted could be grown from seeds if more patience were exercised. He showed a collection of slides of newer and old favorites in the plant world.

Continuing the program in the afternoon, Donald D. Wyman spoke of the sales yard and display grounds competition and read the list of prize-winners, already announced. Of the winners, two were present to receive their checks. Arthur F. Paul, of the Andorra Nurseries, Conshohocken, Pa., who won the first prize of \$250, said that the contest was fairly stated and the contest should result in making better marketing

outlets for our products. He said he was particularly pleased to have his plan tested out, as he wants to build just such a place as he designed.

Stanley McIntosh, of Little Silver, N. J., was on hand to receive the third prize of \$50. Mr. McIntosh said he drew the plan while still out at sea in the navy, and he was now glad to be home.

Harold E. Hunziker, secretary of the N. L. N. A., Niles, Mich., explained the method of obtaining photocopies of the plans. He explained that A. A. N. members could obtain a set of the fifteen best plans with details and reports for \$50, this to include a membership in the N. L. N. A. To those not association



John W. Kelly.

members the charge will be \$85 per set.

President Wyman introduced Maj. Peter Cascio, West Hartford, Conn., who had been home for over a month. Mr. Cascio was the first president of the N. L. N. A.

Richardson Wright, editor of House and Garden, spoke informally and most interestingly about landscaping the new home. Mr. Wright says his magazine has to report what is going on in gardening and architecture. He said that the new architecture "never had a grandfather" and the present movement is a puzzle, even to the designers themselves, who are trying only to find something new, and different. Mr. Wright still thinks there is hope for a more stable architecture, as that which we have today is still in a fluid state and not settled.

As for gardening around the new homes, he thought that would

come somehow, and we need not worry too much—for the tradition of gardening, though not so well planted here as in England, will be ever on the increase.

He offered the thought, for the public, why not build gardens while waiting for materials and lower costs in building, letting gardens be a forethought instead of an afterthought?

Mr. Wright thinks nurserymen should see that gardens are kept up to date with new plants. He thinks to have things just a little different or just a little newer makes gardening interesting for many people, including himself.

Knowing Mr. Wright's great interest in new plants, Franklyn Styer presented Mr. Wright with one of the rarest hardy plants he could find. The plant is known as *Adina rubella*.

Students from the school of horticulture of the State Institute of Agriculture, Farmingdale, L. I., were in attendance at the meeting to view the plans and listen to the program. Carl Wedell, head of the school, was with them.

Donald D. Wyman had to return to Boston early Friday to be on hand to address the Boston Yacht Club, the cruising club of America.

NEW YORK ASSOCIATION IN SECOND CONVENTION.

The prologue for the annual meeting of the New York State Nurserymen's Association was in the form of regional meetings of landscape nurserymen and of A. A. N. members in the morning and afternoon of January 24 and a banquet and entertainment that evening, at the Hotel Pennsylvania, New York city.

At the banquet Howard C. Taylor, East View, N. Y., presided. He introduced the officers of the cooperating associations and speakers.

Dr. Hung Ti Chu, head of the information and reference department of the news service of the Chinese government, spoke on our relations with the Chinese government. He told of the open-door policy and the sincere desire of America to want China to become a strong independent nation.

A delightful floor show followed Dr. Chu's talk. The show was like that only New York could produce. As a high light was the performance of Jack Host, Olympic champion in 1932 and 1936 on the horizontal bars.

The meeting of the New York as-

sociation got under way in earnest. Secretary A. M. S. Pridham, Ithaca, N. Y., reported that the association had held its own during the last year, with a balance of \$271 over the previous year's balance of \$270. This was the second year's operation, the association having been formed in September, 1944.

In his address as president, Howard C. Taylor listed the activities of the association for the year, which included obtaining an additional appropriation for horticultural research at the Geneva experiment station, preparation for research on nursery tools and machinery at Cornell University, conducting a nursery employee training school at Farmingdale, cooperation with pest control officials, group insurance plans, support of scholarship funds and cooperation in gathering up-to-date statistical material on the operations of the industry.

In the committee reports that followed, R. L. Holmes, Newark, reported the support nurserymen were giving Cornell University in its need for research facilities.

Peter J. Van Melle, Poughkeepsie, advised the association his educational advisory committee was keeping in touch with the activities at Cornell and Farmingdale. At the latter an enlarged course for training nursery employees is being undertaken. Both need the support of nurserymen in obtaining more facilities with which to care for students.

H. W. Maloney, Dansville, reported that the New York association now had 140 members.

Leslie MacRobbie, East Patchogue, L. I., for the ethics and standards committee, told of making progress in avoiding misleading nursery advertising by pointing out the misleading statements to the magazine and newspaper managements. This resulted in the immediate changing of advertising copy.

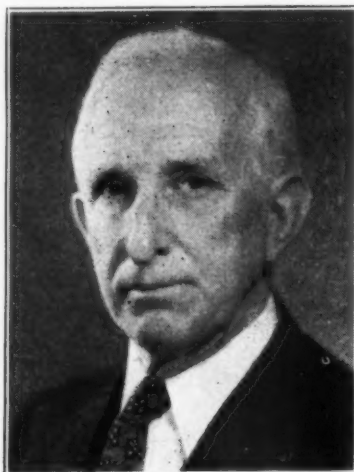
During the year \$583 was pledged by New York nurserymen toward the Carl E. Ladd scholarship fund to help students wishing to take horticultural subjects at Cornell, reported John Kelly, Dansville.

After considerable discussion on the revision of dues for the association, the report of the committee headed by L. J. Engleson, Newark, was accepted. The new dues range from \$12.50 for members doing up to \$15,000 gross business to \$35 for those doing \$200,000 gross business or more. Out of each membership, \$5 goes to the local association, three such associations making up the New York state association.

At the afternoon session the youth-

ful Dr. George S. Avery, Jr., director of the Brooklyn Botanic Garden, spoke of the garden's plans for a demonstrational project of a half-dozen "gardens on parade," each showing one side of a house with both front and rear gardens, these to be brought in harmony, in a little less than an acre of ground. Here was to be truly a demonstration of appropriate landscape material, both new and old. These projects were to be for the average garden, where Dr. Avery believes the greatest interest and educational possibilities can be shown.

Among the other programs undertaken is the issuing of a quarterly magazine called "Plants and Gardens," twelve radio talks per year and a living memorial program by the



C. R. Jacobus.

school children of Brooklyn, which could happen in every community, according to Dr. Avery.

Dr. Avery mentioned the interest in embryoculture for hybridizing being carried on at the garden.

In emphasizing the importance of demonstrational plantings at the garden, Dr. Avery told of the visits of 200,000 persons or more to grass plots and experimental weed-killing plots.

The next speaker was to have been Earl Constantine, of the National Association of Hosiery Manufacturers, who, however, had been called to Washington for a hearing. But President Taylor produced a good substitute in the person of Prof. Truman Fossum, of Cornell, who had been making a survey of the florists' and nursery fields. Some interesting facts were disclosed about their relative importance. Of the specialized agricultural industries of the state, it was found that though only one and one-

half per cent of the total productive farms were devoted to growing flowers and nursery stock, the value of their products, in the census of 1940, was five per cent of the total agricultural products of the state. The fruit and nut products, from seventeen per cent of the farms of the state, were likewise five per cent of the total value of agricultural products. Vegetables harvested for sale, on seventeen per cent of the farms, yielded only a little more than six per cent of the total value.

Professor Fossum gave many more figures which will undoubtedly be published later, when complete.

President Taylor briefly reviewed the activities of the nursery employee program at the State Institute of Agriculture, Farmingdale, because Carl Wedell, head of the school of horticulture, could not appear because of illness, though he had been in attendance the day before to talk with many nurserymen personally. In addition to the longer course, there was a short course scheduled for February 4 through February 8 for about forty persons, as a refresher

[Continued on page 36.]

A. A. N. EASTERN REGION MEETING AT NEW YORK.

In connection with the landscape nurserymen's meeting at the Hotel Pennsylvania, New York, members of the eastern region of the A. A. N. held a short meeting January 24, under the direction of J. Franklyn Styer, regional chairman, Concordville, Pa.

Howard C. Taylor, treasurer of the A. A. N. and executive committee-man for the eastern region, reported briefly on the public relations program voted upon by the board of delegates at Chicago.

C. R. Jacobus, Upper Montclair, N. J., was elected chairman, and Louis Vanderbrook, Manchester, Conn., was elected vice-chairman. Peter J. Van Melle, Poughkeepsie, N. Y., was elected secretary.

Howard Taylor, East View, N. Y., was recommended to be continued on the executive committee of the A. A. N.

ALLIED ELECTS OFFICERS.

The Allied Nurserymen's Association of New York met at noon, January 26, at the Hotel Pennsylvania, New York, and elected the following: President, Peter J. Van Melle, Poughkeepsie; vice-president, John Dunn, White Plains; secretary-treasurer, William J. Godding, Poughkeepsie.

Year's Work of New York Association

By Howard C. Taylor, President

It has been my privilege to serve as your president for two terms, and while I accepted this job with no little apprehension, I can truthfully say that I have enjoyed it. The fine spirit of fellowship and cooperation which has prevailed has made possible this enjoyment of a chore. It has been characteristic of the members and directors of this association to step forward whenever a job needed to be done and to give freely of time and effort. Needless to say, this is the greatest factor in producing the results which I feel we have accomplished in these two years.

I should like to review some of the things which we have attempted.

1. First, we went after and obtained an additional appropriation for the Geneva experiment station for research in rootstocks, storage methods and other problems.

2. A conference was held with the agricultural machinery department at Cornell, laying the groundwork for research and development of special nursery tools and machinery.

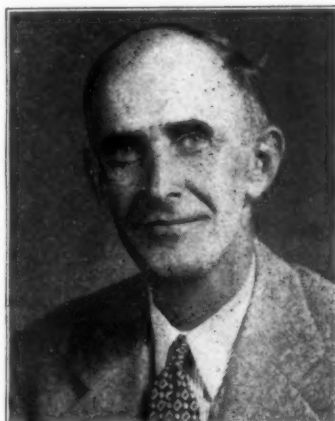
3. We have held numerous conferences with the School of Agriculture, at Farmingdale, L. I., and, with the aid of the staff of this school developed and conducted a nursery employee training program in the winter of 1944-1945 and have already planned and developed further this course of training for this winter. The general acceptance and utilization of this program, particularly by the nurseries in the metropolitan area, clearly indicate the need for such training.

4. Representatives of this association have kept in close touch with our inspection and pest control officials and are watching closely the gypsy moth quarantine. We are on record as favoring the fastest and most thorough eradication program possible, looking toward the removal of present restrictions at the earliest possible time.

5. Our association has had in mind constantly the welfare of nursery employees. We have felt that every possible safeguard should be taken to protect their security and to give to these men and women who are a part of our business benefits equal to those in other industries. Along this line, a group insurance plan was

explored and considered, but I am sorry to say it was finally abandoned for lack of support. However, many individual plans were put into effect and largely because of stimulation given by the association activity.

6. The support of this association was given to the Carl E. Ladd memorial scholarship fund by canvassing the entire membership. Our individual members contributed a total of approximately \$600, which was turned over to the fund, thus placing us alongside other progressive agricultural organizations within the state in support of this worthy project. For the benefit of our guests, let me say that this fund was estab-



Howard C. Taylor.

lished in honor of Dean Ladd, a farm leader with an abiding faith and interest in farm boys and girls, in order to help them get an agricultural education in the college of agriculture at Cornell University. These scholarships are open to all classes in the 4-year and 2-year courses and amount to \$200 a year.

7. A most able committee has been appointed to cooperate in gathering up-to-date statistics on our industry. This, I have felt, has been greatly needed for some time. The lack of these data has been a handicap in appearing before government bodies and, also, in trying to set up an adequate and equitable basis of dues assessment.

A recent survey made at Cornell University relative to the florists' industry has shown that the unit volume per operator or per acre is so much higher than other agricultural commodities that this industry within the state has been greatly under-

estimated. We have been generally accepted as a small and somewhat insignificant segment of agriculture. This has been due to negative thinking on our part. I can suggest no more worth-while project than a similar survey for the nursery industry in the state. Such a project, in cooperation with and coming from the college of agriculture, need not be a costly undertaking and would be of invaluable assistance in placing our business in its proper position with other businesses within the state.

Tentative questionnaires have already been formulated. The biggest difficulty encountered in such a survey has always been to secure prompt and complete answers. Your fullest cooperation is urged.

We have a great deal of evidence that national trade associations have exerted a healthy and far-reaching effect in national governmental affairs. No one can deny that they have aided tremendously in preserving free enterprise in the United States. As in the nation, so in the state. Our association, small though it is in numbers (now 140 members), has made and can continue to make itself felt in the most effective places. It is our duty and obligation to use to the fullest extent this influence at all times in matters of governmental policy whether specifically affecting our industry or not.

At this time we face a period of great business activity and shortage of stock. During such a period there is great danger of lowering of standards of both stock and service. We have an enviable reputation to protect, and this reputation should be carefully guarded. Looking forward, I believe we have before us a great future as an association. I venture to predict that the three groups making up our association will become closer and closer united until ultimately they will lose their identity and all functions will be taken over by this body to the advantage of all three groups. We have come a long way already and we are constantly making progress toward our goal—a bigger and better New York State Nurserymen's Association.

H. V. MADSEN, with his son, who is to be released from the navy in spring, is planning to open the Sequoia Nursery, at Three Rivers, Cal.

Address of Howard C. Taylor, president, at the annual meeting of the New York State Nurserymen's Association, at New York city, January 25.

Hear New Jersey Committee Reports

By P. P. Pirone

The optimistic outlook for the nursery business was reflected in the large turnout of members of the New Jersey Association of Nurserymen for the annual meeting, held January 23, at the War Memorial building, Trenton. More than 100 New Jersey nurserymen were present. Icy roads and low temperature probably accounted for the low attendance of nurserymen from near-by states, which normally send a good number of visitors to N. J. A. N. meetings.

An entirely new slate of officers was elected to guide the association for the next year. The new officers are: President, George C. White, of Bobbink & Atkins, East Rutherford; first vice-president, Kurt Meyer, of Hackettstown Nurseries, Hackettstown; second vice-president, Fred Noble, of Lovett's Nurseries, Little Silver. Reelected as treasurer was August Kindsgrab, of St. Cloud Nurseries, West Orange, while P. P. Pirone was reappointed secretary. Elected for a 3-year term to the executive committee were William Flemer, Jr., of Princeton Nurseries, Princeton; L. C. Schubert, of Somerset Rose Nursery, New Brunswick, and Gerard Grootendorst, Oakland. The following were elected as honorary members: Willard H. Allen, secretary of agriculture for New Jersey; Herbert Voorhees, New Jersey farm bureau; John W. Baringer, A. A. N. research director; Fred Jackson and Edgar Rex, of the New Jersey department of agriculture.

After presenting the treasurer's report, August Kindsgrab distributed a 14-page yearbook of the N. J. A. N., prepared under his direction, to each member present. Included in the yearbook were the code of ethics, officers and committees for 1945, the constitution and bylaws of the N. J. A. N., the present list of members, the minutes of the first meeting of the association in 1915, all past officers and the treasurer's report. The group seems to be well impressed with the publication.

State Nursery Committee.

Col. Edward Phillips, chairman of the committee to investigate the sale of seedlings by the state nursery, presented the findings of his committee. Because his report is of interest to nurserymen in other states confronted with a similar problem, it is presented in full:

"This committee was appointed

several years ago with the mission of trying to govern the sale of nursery stock by the department of conservation and development, and especially the policy of selling at a price below the cost of production.

"During this time numerous conferences were held with an authority of the department; figures were presented to prove our claims of costs of production as compared with total sales, but with no apparent success in reaching our objective.

"The committee then considered a step that, after due deliberation, was considered too drastic, inasmuch as



George C. White.

our association has had so much helpful cooperation from all other departments of the state government.

"The committee finally decided on a different angle of approach, with better results.

"In unofficial and off the records talks with others in authority, it was learned that our statements to the department regarding costs, etc., had been investigated and found correct, and that steps would be taken to remedy the existing conditions.

"In view of this, it is believed that the committee has accomplished the purpose for which it was appointed, and it is recommended that the committee be discontinued."

Better Landscape Planting.

The report of the committee on better landscape planting, prepared under the chairmanship of George Jennings, Ralston, at present in Florida, was read by William Hallicy.

This report, too, is of such general interest to landscape nurserymen that it is presented in full as follows: "We need not review the work of our committee over the past five years. Our analysis of the problem and solution offered have been accepted and approved in principle by this association.

"We wish to emphasize that it is the opinion of your committee that the time has come to act upon our recommendations. The problem of low-grade plantings is just as acute today as at the time (1940) we were given the assignment to study it and offer a solution. With the enormous pent-up demand for new homes will come a heavy demand for landscape planting of some sort. Unfortunately, we know that most of the plantings, particularly those for homes built in quantity by speculative builders, will be pitifully cheap. It is safe to say that the nursery industry will receive the lowest proportion of the purchaser's dollar. Your committee has no magic formula to change this. We do say, however, that our best landscape men, of whom we have a good number in New Jersey, are able and willing to blaze the way to designed planting for the home costing less than \$12,000. Every good example will help to break the trend away from cheap low-grade plantings and to secure a greater share of the purchaser's dollar for the nursery industry.

"Your committee calls upon the landscape men who are equipped to supply designed planting to be prepared to encourage and to accept orders in the low-cost home field whenever the opportunity presents. Send your name to this committee in order that we may refer inquiries to the nearest qualified member. If this committee is continued, we propose to do all in our power to bring together the small percentage of homeowners or buyers who are ready for better planting and the landscape men who are able and willing to do it. The proposed bulletin which should be an aid in this matter is not ready for publication. We expect to have the copy and ample pictures ready for approval by the executive committee this year. The nursery industry looks to N. J. A. N. to break through the barrier of inertia. Let's go, New Jersey landscape men!

"Your committee calls upon the

[Continued on page 47.]

New England Thirty-fifth Convention

By Louis C. Vanderbrook

The thirty-fifth annual convention of the New England Nurserymen's Association, at the Hotel Statler, Boston, Mass., January 21 and 22, drew an excellent attendance, possibly because the war was over and members had returned to normal feelings. Forty-two member concerns responded to the roll call, many with several representatives.

President Lester Needham reserved his address for the banquet in the evening. The meeting opened with the report of Secretary Vanderbrook, after which Fred S. Baker, of Cheshire, Conn., read his treasurer's report for the year, which showed a comfortable balance. The report was referred to an auditing committee consisting of P. J. VanBarda, Arthur Webster and George Fellows.

President Lester Needham appointed Charles S. Burr chairman of the nominating committee, and Marinus Van Der Pol and Fred S. Baker were elected to the committee from the floor of the convention.

The nominating committee had posted a slate of officers for the ensuing year, which was elected, as follows: President, Peter J. Cascio, West Hartford, Conn.; vice-president, Milford Lawrence, Falmouth, Mass.; secretary, Louis C. Vanderbrook, Manchester, Conn.; treasurer, Fred S. Baker, Cheshire, Conn.

Executive committee members elected were Lester W. Needham, Arthur Webster and Clifford Corliss.

A. A. N. delegates elected were Peter J. Cascio, Louis C. Vanderbrook, Cornelius P. Van Tol, Homer Dodge, Case Hoogendoorn and Arthur Webster. Alternates were Henry Verkade, Donald Wyman, Lloyd Hathaway, Isaac Williams, Clifford Corliss and Hugo Key.

E. D. Robinson, chairman of the resolutions committee, reported the loss of three past presidents during the year, Charles Adams, of the Adams Nursery, Inc.; C. R. Burr, of C. R. Burr & Co., and J. Woodward Manning, the first president.

The report of the public relations committee, being lengthy, was submitted in mimeograph form; it was read by the members and further explained by the chairman, Homer Dodge. It showed that many of the projects carried out have not yet produced definite results and will require more time, which was expected, but that the efforts were consid-

ered worth while. The report recommended that the members subscribe to the purchase of booklets, to be distributed to new homeowners, suggesting the best methods of buying plants and decorating the home.

A committee of three, composed of Cliff Packard, Alex Cumming and Charles S. Burr, was appointed to consider the best means of securing these booklets and distributing them to the membership. The committee later reported that it considered the purchase of the booklets by members desiring them to be the best method of procedure.

As the executive committee at its meeting at Worcester, Mass., had



Peter J. Cascio.

voted a recommendation that the members be assessed \$10 each, in addition to dues, to defray the cost of the public relations work for the forthcoming year, President Needham appointed a committee, composed of Edmund Mezitt, Luke May and Marinus Van Der Pol, to consider the recommendation and report to the meeting. The committee's subsequent recommendation of \$15 was adopted by vote.

After luncheon, January 21, the work of the American Association of Nurserymen was reported by R. P. White, executive secretary. After touching on topics dwelt upon in his previous addresses before midwinter meetings, he spoke on the problem offered by the increasing imports of nursery stock.

Quarantine 37 has not been revoked, he explained. The plant quarantine act of 1912 empowers the Sec-

retary of Agriculture to regulate the movement of stock imported. Earlier strict regulations have been relaxed. Some types of plant material from foreign lands can now come in under permit subject only to inspection at the port of entry. These ports are not sufficiently manned to take care of the inspection. This action on the part of government leaves the way open to the importation of new foreign plant pests.

The A. A. N. will attempt to have the act of 1912 amended so as to give the Secretary of Agriculture the power to control this situation. The dollars and cents cost of control of present pests in the United States will be a factor favorable for the passage of the bill.

Mr. White introduced the new Washington office assistant, John W. Baringer, director of research, formerly of the Ohio bureau of plant industry. Mr. Baringer spoke briefly of his new position and hoped that he might prove capable of assistance to the A. A. N. and the industry in general.

Howard Taylor, A. A. N. executive committeeman from the eastern region, reviewed the action taken on the public relations program of the A. A. N. as presented at Chicago.

Elliott S. Boardman, of the Federal Reserve Bank, Boston, asserted that full employment will mean discarding free enterprise and can only be done by total regulation. He said there is no such thing as normal business, because inventions and mechanization constantly change the amounts of production. Neither will government pump priming work to keep the purchasing level constant. The national income is an indefinite thing, which can be influenced by many factors. Costs will rise in 1946-47 until there is a change in the philosophy of keeping peacetime take-home pay at wartime levels.

In the evening fifty-six members enjoyed a delicious Vermont turkey dinner with all the trimmings. After the banquet, President Needham delivered a short address, in which he remarked about the good business being experienced by nurserymen and reported on the summer meeting of A. A. N. delegates held at Chicago.

He then introduced Harold J. Crimi as president of the Canadian Nurserymen's Association, who later

[Continued on page 49.]

Ohio Short Course Sets Record

By Rayford Houston

The seventeenth annual report for arborists, landscape gardeners and nurserymen was held on the campus of Ohio State University, Columbus, January 21 to 23. A record-breaking attendance of men and women from all parts of the United States and from Canada pronounced it a huge success. The total attendance was close to 250, according to Dr. L. C. Chadwick, department of horticulture, Ohio State University, who was in charge of the short course.

The first session, Monday afternoon, January 21, was devoted to talks of special interest to arborists. Dr. Paul E. Tilford presided. Three speakers discussed various types of pruning, Dr. Frank Beach, department of horticulture, Ohio State University, young fruit trees; Norman Armstrong, arborist, White Plains, N. Y., young shade trees, and Albert Meserve, arborist, Danbury, Conn., mature trees.

A panel discussion on methods of fertilizing shade trees was led by Dr. L. C. Chadwick. The principal speakers were Oscar F. Warner, landscape forester, Waterbury, Conn.; S. W. Parmenter, arborist, Kent, O., and L. C. Petrie, Cleveland, on different methods of feeding shade trees. In the evening Oscar F. Warner discussed "Cost of Arboriculture Operation."

Summaries of these three discussions have been prepared for American Nurseryman readers and will appear in subsequent issues.

January 22 was designated as landscape gardeners' day. The first speaker, Prof. Victor H. Ries, Ohio State University, discussed his experiences with ground cover plants. It is his opinion that ground cover plants add to the artistic effect of a planting and reduce the upkeep by cutting down labor. Locations where ground covers may be used include situations where sod is difficult to mow, low shaded terraces, small areas that are a nuisance to mow and along foundation plantings. He recommends their use as a combination with evergreens or deciduous shrubs. They may be used to cover bare ground under tall shrubs.

An adequate supply of organic matter and fertilizer must be available before the plants can be expected to do well. Mulches that will conserve the soil moisture and im-

prove the aeration of the soil can be used.

Evergreen plantings should be used in localities where snow does not cover the ground much of the winter. Some of the most commonly used ground covers are English ivy and its varieties, *Euonymus fortunei* and varieties, *pachysandra* and *Vinca minor*. No one type of English ivy is universally satisfactory in all parts of the country. The variety *Sylvanian Beauty* has done well at Columbus.

Some of the ground covers and grass substitutes best grown on low, sunny banks are: *Thymus serpyllum*, *Dianthus deltoideus*, *Phlox subulata*, *Sedum album*, *Sedum acre*, *Sedum*



L. C. Chadwick.

spurius and *Veronica rupestre*. For low, shady banks: Japanese spurge, periwinkle (myrtle), *Euonymus fortunei*, *Euonymus fortunei coloratus*, English ivy, ajuga, *Sedum ternatum*, *Duchesnea indica*, *Veronica rupestre*, *Veronica filiformis*, *mazus*, *Ranunculus repens*, *Ranunculus acris*, *Asperula odorata*, violets and lilies of the valley.

Those satisfactory for high banks in the sun are *Rosa wichuraiana*, *Rosa Max Graf*, *Forsythia suspensa*, *Cotoneaster dammeri* radicans and *Cotoneaster adpressa*. For high banks in shady locations bittersweet, woodbine, coralberry and Japanese honeysuckle are good.

For steppingstones, walks and terraces, the following would be suitable in a sunny location: *Arenaria verna*, *Thymus serpyllum*, *Thymus lanuginosus*, *Dianthus deltoideus*, *Di-*

anthus arvernense. For the same use in shady locations: *Arenaria verna*, *Veronica filiformis*, *Sedum nevi*, *Saxifraga sarmentosa*.

Ground covers to be used under trees, shrubs and evergreens are: English ivy, *pachysandra*, *Euonymus fortunei*, periwinkle (myrtle), *Euonymus fortunei coloratus*, violets, *Duchesnea indica*, *pulmonaria*, *Asperula odorata*, *heuchera*, *ajuga*, *Euonymus obovatus* and lilies of the valley.

For low, wet areas such plants as *Myosotis palustris*, *Veronica filiformis*, *Lysimachia nummularia* and *Ranunculus acris* may be used. If the location is very dry, the use of *calirhoe*, *Euphorbia cyparissias* and *Saponaria officinalis* is suggested.

Most of the morning session, January 22, was devoted to a discussion of 2, 4-D and other new weed killers by Dr. C. J. Willard, department of agronomy, Ohio State University. A review of recent experimental work indicates that 2, 4-D acts best when the plants are making fast growth and are growing on moist soils. When the plants are growing in dry soil, 2, 4-D is not so effective. Apparently 2, 4-D is not poisonous to animals.

It is not advisable to use the same sprayer for spraying garden vegetables, especially tomatoes, that is used for applying 2, 4-D. Residual 2, 4-D is almost impossible to get out of a sprayer. If you have to use the sprayer, wash it out thoroughly with trisodium phosphate solution, using two-thirds of an ounce to the gallon. It is better to use a flat spray-type nozzle rather than a cone type. The fine spray obtained from the cone-type nozzle is more likely to drift and cause trouble. Do not use 2, 4-D on a planting unless you are positive that there will be no injurious effects.

The material is available in the acid form or it can be combined with alcohols and alkalis to produce esters and salts. The acid form is insoluble in water, but it can be dissolved in Carbowax, which is miscible with solvents and wetting agents. Several salts of the acid are available. These are soluble in water. The esters are miscible with solvent and are perhaps the most active, but not necessarily the most effective.

The material 2, 4-D is used in 0.1 [Continued on page 38.]

Ohio Association's Peacetime Program

By L. C. Chadwick

One of the most successful meetings in the history of the Ohio Nurserymen's Association was held at the Neil House, Columbus, January 24 and 25.

With a good attendance, an interesting and informative program, and the high spot of the meeting, the fourteenth annual Ye Olde Time dinner, the convention will be long remembered as one welcoming back a peaceful era and the prospects of a prosperous future of the nursery industry.

Roger Champion, of the Champion Nurseries, Perry, was elected president of the association. Thomas Kyle, of the Bohlender Nurseries Co., Tipp City, was elected vice-president, and John D. Siebenthaler, of the Siebenthaler Co., Dayton, was reappointed secretary-treasurer. Arthur M. Grube, Lakewood Nursery, Inc., Lakewood, and G. Walter Burwell, Burwell Nursery Co., Columbus, are the new members elected to a 2-year term on the executive committee.

New appointments were made to the legislative committee, state highway contact committee and the local committee. The entire membership of the taxus herbarium committee was reappointed, and a new committee, the Ohio State University horticultural research contact committee, was established, with G. Walter Burwell, chairman; Roger Champion, A. M. Grube, Howard Scarff and John Siebenthaler as members.

The morning session January 24 opened with reports of officers and committees. Secretary John D. Siebenthaler reported the activities of a

special committee, appointed to work with other horticultural interests in the state, in securing funds for further instruction and research at Ohio State University. The secretary reported a total of 141 members, 105 of them being active members, twenty-three trade associate, eight associate and five honorary members.

President G. Walter Burwell reported that the executive committee had voted to maintain the same rate of dues for 1946 as collected in 1945.

C. O. Siebenthaler, chairman of the legislative committee, discussed in some detail the pest control work in the state, especially the present status of the Japanese beetle. Fewer beetles were found in 1945 than the previous year. This situation was partly accounted for by the dry summer of 1944. Because of the resignation of John Baringer, former chief of the bureau of plant industry, Charles Reese has been appointed chief of the bureau.

Prof. L. C. Chadwick, of the department of horticulture, Ohio State University, reported on the present status of the taxus herbarium project. This project was started four years ago. Thirty plants were added to the permanent collection during 1945, and cuttings of twenty-one types are now being propagated. Forty plants are on purchase order for 1946 spring delivery, and about fifty others have been promised.

In the permanent collection at the Ohio agricultural experiment station are 356 plants of seventy-five different types. These plants have been donated by fourteen members of the Ohio

Nurserymen's Association and eight nursery firms in other states. Small plants and rooted cuttings of twenty-nine types are being grown and are to be added to the permanent collection when they have reached sufficient size. The types on hand plus those promised for spring delivery number 119. The committee is attempting to locate sources of supply of about thirty other types which have been reported in the trade at one time or another.

James H. Rhodes, mayor of Columbus, in his address of welcome, praised the activities of the nurserymen, particularly the local nurserymen, who aided in staging the chrysanthemum show at Columbus last autumn. Harry Day responded to the mayor's address.

The morning session closed with a discussion of "Handy Tools and Labor-saving Devices," by Harvey Bicknell, Bicknell Horticultural Service, Chagrin Falls. Mr. Bicknell had on display many of the tools that he has found useful in his business. The need of laborsaving equipment was emphasized. All tools should be painted and branded. Mr. Bicknell has found red a satisfactory color to paint the tool handles, since they can be easily spotted. All cutting edges or sharp tools should be protected by guards. Keep all tools in good repair and in their proper place. Among the tools and laborsaving devices displayed and discussed by Mr. Bicknell were a carrying belt for tree tools, guards for sickles and axes and other sharp tools, knee protectors, wedge carrier, electric hedge trimmer, snap cutter attached to an aluminum pole, scratcher tool for working soil before seeding small areas,



Old-timers. In Harness, Prof. J. H. Gourley, Ohio State University; Dr. J. S. Houser, Ohio Agricultural Experiment Station. In Sleigh, Ed Carr, Yellow Springs; Harry Day, Fremont.



Art Hill Entertains the Ladies with Tall Stories. Mrs. John Siebenthaler, left, and Mrs. Walter Burwell.

dandelion rake, a special rake for removing slag from lawn areas along driveways in early spring, a dig easy for working up beds, border spade, cyanide gun, Feeny duster, cord spool, push drill for installing screw eyes, cable clamps, sharpened pegs to ease the untying of rope knots, flat shovel for removing sod, coffin hoist, webbed bands for handling plants with small bulbs, small triangular whetstone for sharpening pruning shears, label writer, bulb setter, hedge trimming frame and three small tree or plant movers. Those in attendance spent some time in looking over the display following the discussion.

The afternoon session opened with a discussion of "Ohio's New Parks Program," by Don Strouse, conservation writer for Scripps-Howard newspapers, Columbus.

Mr. Strouse opened his remarks with the statement that Ohio had no well thought out parks program, although three and one-half or four million dollars might be available for park development. The conservation department is acquiring some lakes in Ohio with possession of 300 feet of shore line. These lakes are under supervision of those mostly interested in fish and game. Little thought is being given to the proper management of the lake front strips.

Mr. Strouse pointed out that Ohio has only three state parks where people can stay overnight. Park accommodations in Ohio were compared with those in Indiana and shown to be definitely inferior and inadequate. Ohio needs a well developed parks program with well qualified men in charge.

A. H. Hill, president of the American Association of Nurserymen, took the place on the program of Richard P. White, executive secretary. He reported on the program of the public relations committee of the A. A. N., the benefits of membership and some of the things the organization is doing for its members.

The afternoon program closed with an address by Dallas Dupre, landscape architect for the Ohio highway department, entitled "Ohio's Highway Improvement Program." Mr. Dupre stated that the term highway improvement defined itself and that everything used must have a purpose and be functional. Trees make for safety because they relieve monotony on long level stretches of highway.

The postwar highway improvement program in Ohio calls for an expenditure of \$20,000,000. Some highway planting will be done along with the construction, but much of it will be on separate projects. Each of the twelve engineering districts in Ohio will submit three projects each year.

Mr. Dupre stated that less than five per cent of the district engineers' time is spent on preparation of plans and specifications. Because of labor shortage, maintenance has been low during the war years. Considerable attention is given to soil preparation before planting. The highway is not a place for exotic plant materials, although some may be used in experimental projects. Specifications for plant material follow the horticultural standards prepared by the A. A. N. Mr. Dupre stated that there would be a tendency to use more B&B stock. Specifications have been rigid and in-

spections in nurseries severe, and they will continue in that way. From 1935 to 1943, 147 projects and subcontracts were completed; 138 of these were performed by Ohio nurserymen.

As to the future, Mr. Dupre asked for a committee to be appointed by the nurserymen to work with the highway department. He recommended the establishment of a fall Arbor day and the desire to establish several experimental projects.

The fourteenth annual Ye Olde Time dinner was proclaimed by everyone present to be the high light of the convention. Many of the men arrived in overalls and plaid shirts, and the women in aprons. Straw hats were furnished. The ballroom was appropriately decorated with old-fashioned lamps and a sleigh, and even a cider barrel added an old-time touch. Everyone had more than he could eat; the entire meal was served in old-fashioned style.

After the dinner, Prof. L. C. Chadwick, serving as toastmaster, called on several prominent men in the trade and others for short speeches and timely jokes. The honorary members of the Ohio Nurserymen's Association were introduced. A. H. Hill responded with one of his characteristic stories. Someone from each state represented was asked to make a few remarks. The evening closed with entertainment and dancing and was thoroughly enjoyed by all.

The morning program, January 25, was opened by Luke C. May, of the Lexington Nurseries, Lexington, Mass. Mr. May stressed the importance of advertising, especially by state or local groups. Nurserymen should follow up the benefits derived from the victory gardening campaign. The idea of planting should now be carried on to the ornamentals. Advertising is necessary if nurserymen are to compete for the consumer's dollar.

State and local advertising should stress the benefits of buying from local concerns. Freshly dug plants, adaptable to local conditions, are available. Local service should be stressed. Adopt a slogan and carry it throughout the advertising program.

Mr. May discussed in some detail the advertising programs followed by the Massachusetts and the Oklahoma associations last year. Many of the advertisements used by these organizations were on display. Slogans adopted were "Buy from Your Local Nurserymen" and "Trade at Home." These slogans were set in a block in all advertisements. The sponsoring firms' names were included.

An added feature of the program
[Continued on page 44.]



1945 Officers of the Ohio Nurserymen's Association. Front, President Burwell. Seated, Elmer Heitmeyer, Executive Committee; Roger Champion, Vice-president; Walter Truby, Executive Committee. Standing, John Siebenthaler, Secretary-treasurer; Frank Turner, Robert Imlay, Melvin Wyant, Executive Committee.

Michigan's Victory Celebration

By Harold E. Hunziker

It was a victory celebration royal at the convention of the Michigan Association of Nurserymen, at the Fort Shelby hotel, Detroit, January 31 and February 1. Present at the victory banquet were 204 nurserymen, wives and guests to hear an inspiring talk by John W. Carlisle, war correspondent of the Detroit News. He said too much praise had often been given the admirals and generals and not enough to the sailors and soldiers who did the fighting and experienced the hardships and suffering on the battle waters and fields. These men were often inarticulate and so someone like himself had to tell of the deeds of these magnificent men, who fought to get back to their American girls. It took 4,000 to 8,000 miles of travel to make these gallant men rediscover America. These men will be no problem, the speaker said, in readjusting themselves on their return.

A lively stage show, headed by Dale Rhodes, was greatly enjoyed by the members and guests.

The returning servicemen honored at the meeting were Richard Krieger, Bridgman; Robert D. Miller, Lansing; P. A. Miller, Jackson; C. S. Ziegler, Jackson; William M. Conway, East Lansing; Charles B. Greening, Monroe; John B. Light, Richland; Dean F. Lovitt, Lansing; Kellogg Beach, Plainwell, and F. M. Alexander, Jr., Detroit.

Twenty-two students of the nursery training school at Michigan State College, many of them servicemen, were also guests of the association at the banquet.

On the morning preceding the banquet, the meeting was opened by President Walter M. Coon, Farmington, who reviewed the work of the association for the year, which included the reprinting and distribution of some 16,000 booklets on controlling insects and diseases; the work of the educational committee, which cooperated with Prof. F. L. O'Rourke and the college staff in setting up the splendid nursery training course at Michigan State College, and the work of the committee on research of nursery problems. Arthur L. Watson, Grand Rapids, was recognized for his outstanding work in obtaining new members, not only for the Michigan association, but for the A. A. N. as well.

Harold E. Hunziker, secretary-treasurer, Niles, reported a small op-

erating balance in the association's treasury, including war bonds worth \$909.40, set up for an emergency reserve fund.

Arthur H. Hill, Dundee, Ill., president of the American Association of Nurserymen, related that this meeting was the eighth association meeting he had attended this winter and gave his usual interesting address interspersed with humorous stories. He pointed out that, even with the 104 members of the Michigan Association of Nurserymen and sixty-one A. A. N. members, there were many



Clifford Emlong.

nurserymen in the state not affiliated with any trade association.

Richard P. White, A. A. N. executive secretary, told of the activities of some seventy nursery associations, including local groups and state and regional associations, as well as specialized associations on a national scale. He told how each of these groups had a place for influence in the trade. The A. A. N. is one of the largest and most stable associations in America. Mr. White traced its development for the benefit of the students of the nursery course who were in the audience.

Mr. White told of the need for new and better varieties of plant materials, especially those to be used with the one-story house, and of his hope to secure an appropriation for the industry from the federal government to carry on research. He closed his remarks with a review of

the legislative work to be done this year, especially on quarantine 37.

At the request of the association, W. E. Smith, of Swift & Co., Hammond, Ind., opening the afternoon program, spoke briefly about the Vigoro landscape plans that his company is distributing to encourage a turn from vegetable growing to ornamental gardening, a trend that is widely noted. He said his company hoped to distribute 500,000 of these plans in Michigan alone. Although these plans do not attempt to take the place of personalized plans, they do show the customer the methods to be followed in setting up a complete landscape picture.

Walter Dutton, director of agricultural chemicals research, Dow Chemical Co., Midland, Mich., spoke on "The New Chemical Age and What This Means for Nurserymen." He told of the extensive research that had been carried on during the war years. New products of plastics, magnesium, synthetic rubber and the silicons would replace other types of materials only where they were found to be better and cheaper. He told of the magnesium wheelbarrow that could be picked up in one hand, although it may be too expensive to be used generally.

Of more direct interest to nurserymen was the discussion on recent spray developments for defoliation of plants, soil fumigants, growth stimulants, protective waxes and weed control materials. Mr. Dutton showed some convincing slides of the use made in commerce of some of these materials.

An interesting talk was given by Clarence Wesdorp, of the Krider Nurseries, Inc., Middlebury, Ind., on "Handling Nursery Stock in Cold Storage." Mr. Wesdorp traced the experiences of his company back some six or eight years when it began putting roses in commercial cold storage for late orders. The nearest storage house was thirty miles from the nursery, and in addition to the inconvenience caused, the practice of not keeping the temperature constant resulted in only partial satisfaction. About three seasons ago his firm built its own cold-storage room, 36x40 feet and eight feet high. In this room the temperature is kept as near 32 degrees as possible; in fact, only one degree of fluctuation is allowed. The moisture content is kept at 60 to 70 per cent. Roses, peren-

nials and strawberry plants can be kept near a dormant stage until June. Krider's is now planning to build another cold-storage house primarily to store lining-out stock to hold plants back for May planting after the heavy rush of packing-out orders is over. By previous experimentation, it was found that the plants broke buds and caught up rapidly with other plants part way out in foliage and ended up in the fall with more growth. After telling of several experiences with plants taken from cold storage as late as September, Mr. Wesdorp concluded by saying that this venture had been the most successful of any the company had ever made to improve its operations and give better plants to customers, especially the late customers. Mr. Wesdorp enthusiastically recommended this type of storage to any nurserymen and said it was certainly worth the cost of building and maintaining.

To wind up the afternoon session, the nominating committee headed by Bert Manahan presented the following recommendation for officers and executive committeemen, which was adopted. New officers are: President, Clifford Emlong, of Emlong Nurseries, Stevensville, and vice-president, R. W. Essig, of Pontiac Nursery Co., Romeo. New executive committee members, for two years, are Charles B. Greening, of Greening Nursery Co., Monroe, and Irvin Cedargreen, of Stahelin Nurseries, Detroit. The retiring president, Walter M. Coon, is the member-at-large of the executive committee.

At a meeting of the executive committee, later, Harold E. Hunziker, Niles, was reappointed secretary-treasurer. A change in the bylaws of the association was made to permit the executive committee to select this officer.

Upon the recommendation of Arthur L. Watson, Grand Rapids, a new schedule of dues was adopted to become effective with this year's dues call. The new dues range from \$5 for a nurserymen with less than one acre to a \$35 maximum for those having more than sixty-five acres.

At the Friday morning session Dr. H. B. Tukey was given a hearty welcome by the Michigan nurserymen, who were glad to learn of his coming from New York to head the horticulture department at Michigan State College.

In discussing "Just Good Nursery Practices," Dr. Tukey said nurseries were the maternity wards of horticulture, nursing babies of the horticultural world. Because products are to give continuous satisfaction, often

for 100 years or more, they should be started in the best way we know how. He asked support of the nurserymen in carrying on problems of research along many horticultural lines. One problem, for example, is to determine what use can be made of liquid gas in spraying.

Dr. Tukey urged that nurserymen make their surroundings and work practices more attractive so as to draw to the nurseries more young men who are willing to stay with the business and make something for themselves out of it. He urged looking into further extension of social security, retirement plans, group insurance, etc., to make for more security and pride in the business.

The nurseryman's responsibility to his customers was pointed out. More service should be given after sales. Dr. Tukey noted that many persons claim the real horticultural enterprises are carried on in the cities where the enthusiasm is the highest. There is where more and better information about our products should be given.

An eye-opening talk was given by H. A. Lyon, public relations counsel for Harry Ferguson, Inc., Detroit, on "A Pattern for Prosperity." This was addressed to the citizens of the United States, for it affects every one of us. Although many persons used to think the basis for prosperity was the factory pay roll, a group of businessmen at Detroit has advanced the thought that basic prosperity comes from the farms of America. So convinced are they that they are starting a national movement.

The way the farmer is treated, so runs prosperity, think these men. This is admittedly a selfish aim of business, but it does give a basis for sound prosperity for all. Business often thinks farming may be backward because of lack of capital; so the businessmen propose to become partners, financially, with young trained farmers, as they might with a machinist wanting to open a little shop. They want better distribution of agricultural products at more return to the farmer and less cost to the consumer.

Mr. Lyon told how thirty-eight of Detroit's greatest scientists and engineers met with Dr. V. R. Gardner and others at Michigan State College and pledged to work on some of agriculture's greatest problems.

The general ideas of the plan are outlined in the lead article in the February issue of *Country Gentleman*.

The outline of the work of the agricultural occupation for returning veterans was reviewed by State Di-

rector Morse. He told of how these veterans could be obtained to work in nurseries under the cooperative plan set up by the government.

Dr. Roy Marshall was called on to be congratulated for the success he has had in setting up the training course for students at Michigan State College. He introduced Prof. F. L. O'Rourke, who briefly outlined the 2-year course as worked out in conjunction with a committee from the nursery association, composed of Robert W. Essig, Martin Olsen and Arthur L. Watson. There are now twenty-three students taking the course. They will be on placement training in nurseries soon after March 16.

In the closing minutes of the meeting, President Coon appointed a stand-by quarantine committee of Arthur L. Watson, chairman; C. A. Boyer, chief of the inspection service, and Henry Kleine. Mr. Boyer spoke briefly about the control measures taken in the state for the Japanese beetle on the tri-cooperative program, whereby the local authorities buy the material and the state and federal agencies make the application.

Three resolutions were presented and adopted at the meeting. The attitude of the A. A. N. in regard to quarantine 37 will receive full backing. A vote of appreciation was extended to Michigan State College for pioneering the teaching of nursery practices to returning servicemen and to Professor O'Rourke for his work in this connection. Congratulations were given to Harry A. Fee, Adrian, for turning over his Hidden Lake Gardens to the college with an endowment for its maintenance for the use of the garden-loving public of Michigan.

Next year's meeting is to be the silver anniversary convention and will be held January 30 and 31, 1947, at Grand Rapids, the city of the association's founding.

A. A. N. Chapter Meeting.

At a short business meeting of the Michigan chapter of the A. A. N., the same officers as those of the Michigan association were voted to serve. Arthur L. Watson reported eight new members for the year, with two applications pending acceptance. This brings the number to sixty-one A. A. N. members in Michigan.

William J. Smart, Dundee, Ill., transportation chairman of the A. A. N., spoke briefly about the special trains to Miami Beach in July. For the executive committee member for the A. A. N. from region

[Concluded on page 35.]

AVAILABLE FOR IMMEDIATE SHIPMENT

All stock listed is available for shipment at any time you may desire. All sales subject to terms as outlined in our fall, 1945 trade list. We are unable to list in the space below all available items. For more complete listing, please refer to our fall, 1945 trade list or send us your want list. Our new spring trade list was mailed February 10. If you do not receive your copy, write us and we will be glad to send one.

FRUIT TREE STOCKS

MAHALEB	Per 1000	MAZZARD	Per 1000	MYROBOLAN	Per 1000
1/4-in.	\$28.00	1/4-in.	\$28.00	1/4-in.	\$28.00
No. 1	25.00	No. 1	25.00	No. 1	25.00
No. 2	18.00	No. 2	18.00	No. 2	18.00
No. 3	14.00	No. 3	14.00	No. 3	14.00

FRUIT TREES

Apple Trees, 2-year.

1/2 to 1-in.
1/2 to 1-in.

Per 10 Per 100 Per 1000
\$4.50 \$40.00 \$350.00
3.20 28.00 250.00

Cortland, 1/2-in.
Red Delicious, 1/2-in. and 1-in.
Yellow Delicious, 1/2-in.
Fireside, 1/2-in. and 1-in.
Grimes Golden, 1/2-in. and 1-in.

Red Jonathan, 1/2-in. and 1-in.
Red Northern Spy, 1/2-in. and 1-in.
Red Astrachan, 1/2-in. and 1-in.
Red June, 1/2-in. and 1-in.
Red McIntosh, 1/2-in.

Rhode Island Greening, 1/2-in. and 1-in.
Tolman Sweet, 1/2-in. and 1-in.
Wealthy, 1/2-in. and 1-in.
Whitney Crab, 1/2-in. and 1-in.
Yellow Transparent, 1/2-in. and 1-in.

SHADE TREES

	Per 10	Per 100
Green Ash, 3 to 4 ft.	\$2.40	\$20.00
4 to 5 ft.	3.50	30.00
5 to 6 ft.	4.50	40.00
6 to 8 ft.	4.00	55.00
8 to 10 ft.	8.00	75.00
Elm, American, 3 to 4 ft.	2.40	20.00
4 to 5 ft.	3.50	30.00
5 to 6 ft.	4.50	40.00
6 to 8 ft.	6.50	60.00
8 to 10 ft.	9.00	80.00
Elm, Chinese, 3 to 4 ft.	2.50	20.00
4 to 5 ft.	3.50	30.00
5 to 6 ft.	4.50	40.00
6 to 8 ft.	8.50	80.00
8 to 10 ft.	10.00	90.00
Elm, Moline, 5 to 6 ft.	8.50	80.00
6 to 8 ft.	10.00	90.00
8 to 10 ft.	12.00	110.00
Hackberry, 4 to 5 ft.	3.50	30.00
5 to 6 ft.	4.50	40.00
6 to 8 ft.	6.50	60.00
8 to 10 ft.	9.00	85.00
11/2 to 2-in.	12.00	110.00
Linden, American, 3 to 4 ft.	3.50	30.00
4 to 5 ft.	5.00	45.00
5 to 6 ft.	10.00	90.00
6 to 8 ft.	16.50	150.00
Maple, Soft, 1 1/2 to 2-in.	14.50	130.00
Mountain Ash, E., 6 to 8 ft.	11.00	100.00
Mulberry, R., 5 to 6 ft.	5.00	45.00
6 to 8 ft.	7.00	60.00
Poplar, Lombardy, 3 to 4 ft.	1.70	14.00
4 to 5 ft.	2.10	18.00
6 to 8 ft.	4.00	35.00
8 to 10 ft.	5.50	50.00
1 1/4 to 1 1/2-in.	7.00	65.00
Redbud, 18 to 24 ins.	2.40	20.00
2 to 3 ft.	4.00	35.00
3 to 4 ft.	5.50	50.00
5 to 6 ft.	8.00	75.00
6 to 8 ft.	10.00	90.00
Russian Olive, 3 to 4 ft.	3.50	30.00
4 to 5 ft.	5.00	45.00
5 to 6 ft.	6.50	60.00
6 to 8 ft.	8.00	75.00
Tulip Tree, 3 to 4 ft.	4.50	40.00
4 to 5 ft.	7.50	70.00
5 to 6 ft.	9.00	85.00
6 to 8 ft.	11.00	100.00

SHRUBS

	Per 10	Per 100
Althaea, Banner, Boule de Feu, Lucy, 12 to 18 ins.	\$1.70	\$14.00
18 to 24 ins.	2.10	18.00
Barberry, Red-leaved, 18 to 24 ins.	4.00	35.00
2 to 2 1/2 ft.	4.50	40.00
Barberry Thunbergi, 15 to 18 ins.	2.40	20.00
18 to 24 ins.	2.90	25.00
Buckthorn C., 18 to 24 ins.	1.80	15.00
2 to 3 ft.	2.40	20.00
3 to 4 ft.	3.20	28.00
Cephalanthus Occidentalis, 18 to 24 ins.	2.10	18.00
2 to 3 ft.	2.90	25.00
3 to 4 ft.	4.00	35.00
Deutzia Lemoinel, 12 to 15 ins.	2.10	18.00
18 to 24 ins.	3.20	28.00
Elder, Golden, 12 to 18 ins.	1.70	14.00
18 to 24 ins.	2.10	18.00
Euonymus Alatus, 12 to 18 ins.	2.90	25.00
Euonymus Alatus Compactus, 12 to 18 ins.	3.50	30.00
18 to 24 ins.	5.00	45.00
Philadelphus Coronarius, 12 to 18 ins.	1.70	14.00
18 to 24 ins.	2.10	18.00
Rhus, Cut-Leaf, 12 to 18 ins.	1.70	14.00
18 to 24 ins.	2.10	18.00
2 to 3 ft.	2.90	25.00
Spiraea Arguta, 18 to 24 ins.	2.10	18.00
2 to 3 ft.	2.90	25.00
3 to 4 ft.	4.00	35.00
Spiraea Vanhouttei, 12 to 18 ins.	1.70	14.00
Symphoricarpos C., 18 to 24 ins.	1.90	16.00
2 to 3 ft.	2.60	22.00
Symphoricarpos R., 18 to 24 ins.	1.90	16.00
2 to 3 ft.	2.60	22.00
Symphoricarpos V., 18 to 24 ins.	1.90	16.00
2 to 3 ft.	2.60	22.00

HEDGING

	Per 100	Per 1000
Barberry Thunbergi, 9 to 12 ins.	\$7.00	\$60.00
12 to 18 ins.	8.00	70.00
18 to 24 ins.	10.00	90.00
Barberry, Red-leaved, 12 to 15 ins.	9.00	80.00
15 to 18 ins.	10.00	90.00
Barberry, Truehedge, 18 to 24 ins.	38.00	350.00
2 to 2 1/2 ft.	50.00	450.00
Privet, Iboilum, 12 to 18 ins.	6.50	55.00
18 to 24 ins.	8.00	70.00
2 to 3 ft.	10.00	90.00
Privet, Regel, 12 to 18 ins.	19.00	160.00
18 to 24 ins.	26.00	220.00

PHLOX

All heavy No. 1 field-grown plants ready for shipment at any time.

	Per 10	Per 100		Per 10	Per 100
Dr. Chas. H. Mayo	\$1.20	\$10.00	Prime Minister	1.80	15.00
E. I. Farrington	1.40	12.00	Rijnstroom	1.20	10.00
Eva Forrester	1.80	15.00	La Vague	1.20	10.00
Flora J. Reid	1.80	15.00	L'Esperance	1.40	12.00
Mary Louise	1.80	15.00	Lothair	1.40	12.00
Mrs. Milly Van Hoboken	1.40	12.00			

LAKE'S SHENANDOAH NURSERIES

1870

Shenandoah, Iowa

1946

Beginning in the Nursery Business

V. AGENCY NURSERIES (Continued)

By John J. Pinney

Provide your salesmen with complete and easily understood price lists. List and price everything that you have for sale in every size that you offer. Insist that your salesmen stick to this assortment and these prices, or you may find some of them accepting orders for anything for which the customer expresses a desire and making the prices as they go along. Then you will have the unpleasant task of telling the customer you cannot supply the stock, and your salesmen will think they are being done out of their commissions.

A good descriptive catalog is a necessary part of a salesman's outfit. Unless he is well informed on all varieties he has for sale, he will need to refer to the catalog frequently for information. Some agency firms publish their own catalogs, not only for the use of their salesmen, but to send to their customers. These catalogs make it easier for the agents to consummate sales. By the time the salesman comes around, the customer, with the aid of the catalog, has made up his mind what he wants.

Agency nurseries commonly refer to their order forms as contracts. For convenience these have printed on them the names of the more important items offered for sale, as well as blank spaces in which to write the names of other varieties. Also printed on these forms is a simple statement that the customer agrees to buy the nursery stock specified, to pay the amount agreed upon and not to cancel the order without the payment of a stipulated amount. The nursery agrees to reserve the nursery stock and to deliver at the proper time for planting. Space is provided to show any payments made by the customer. This form is to be signed by both the customer and the salesman, and a copy should be left with the customer.

The territory in which your salesman travels will largely determine the kind of nursery stock he will sell. In a rural area fruit trees may predominate. In small towns he will probably sell mostly orders of fruit and ornamental stock, while in cities the sales might be largely of ornamental trees and plants.

In sections where fruit is grown commercially customers will order larger quantities than are usually listed. Competition for such business results in lower prices; so if you want

Supplementing general pamphlets issued by governmental agencies and colleges instructing returned war veterans on opportunities and problems in starting their own business enterprises, this series of articles deals particularly with the nursery field. The various methods of sales operation are treated in separate articles.

While directed primarily to the returned veterans seeking to establish themselves in this business, the articles will be useful to others of limited experience.

Reprints will be made available for distribution to your sons or employees in service, or to others who might benefit. Just send names and addresses if you wish the articles mailed direct as they appear, or write the editor the number of reprints you would like for your own use. There is no charge—this service is contributed by the magazine in the veterans' behalf.

commercial orders be prepared to give your salesmen lower prices on quantity lots and arrange to pay them lower commissions. A note of warning should be sounded regarding commercial orchard sales. Such trees are to be planted for commercial production and so extra care should be exercised to have them true to name. The fruit grower has to care for the trees several years before they come into bearing. He will have lost all this time and his investment may be worthless if the varieties prove to be of little or no commercial value. Nurserymen have been successfully sued for damages by fruit growers for supplying trees untrue to name. Fruit tree salesmen can be of greater service to their customers and pave the way for larger sales by gathering ideas as they go about over their territory and passing them on to other customers. Varieties that have proved profitable, methods of pruning, spraying and marketing are all matters of intense interest to fruit growers.

If you have salesmen working in the cities and larger towns, they can get best results by selling landscape jobs. In order to do this conscientiously, the agent must have some knowledge of the principles of landscape gardening so that he can prepare simple landscape plans. If he is unable to do this himself, it will be up to you to help him.

Here is a practical method of helping salesmen who are unable to prepare their own plans. The salesman locates homeowners who are interested in having their grounds landscaped. By skillful questioning and employing the arts of salesmanship he learns how

much the homeowner would be willing to spend to fix up his grounds. Then an agreement is signed with the customer on forms provided by you. According to the terms of this agreement you will, for a stipulated sum, furnish the customer with a landscape plan drawn to scale and all of the nursery stock necessary for carrying it out. The drawing is to be a working plan which the customer can follow in setting out the trees and shrubs.

The salesman carries with him a small, inexpensive, easily operated camera with which he takes several pictures of the house and grounds from different angles. Then he draws a scale plan of the grounds on cross-section paper. This should show the dimensions and location of the house and other structures on the grounds; location of ground floor openings, such as windows and doors; width of walks and drives; location, size and varieties of trees and shrubs on the grounds, and other information essential to the preparation of the landscape plans. The photographs and ground plans are to be sent to you, and your part will be to prepare the landscape plans. These should be simple and understandable so that your customer can follow them easily when he sets out the stock. Considerable expense is involved in preparing landscape plans; so be sure your prices are high enough to cover their cost.

Before the war, when labor was plentiful, it was customary for agency nurseries to do the planting on many of the landscape jobs sold by their salesmen. After the stock for several jobs in the same vicinity was loaded in a truck, one or two experienced men and a foreman went with the truck from town to town planting. If more men were needed they were hired locally. This planting service was not included in the price of the landscape order, but was charged extra.

In many ways it is desirable to do the planting on the jobs sold by your agents. You know then that the work is done properly. If the homeowner hires a local planter to do the work, the local man often finds fault with the landscape design and the nursery stock, hoping to build himself up in the eyes of the customer. More often than not, the local man is not a qualified judge, and the only result is that the customer becomes dissatisfied. When you do the planting yourself,

SURPLUS LIST — SPRING 1946

THE COLE NURSERY COMPANY, Painesville, Ohio

We have the following material in surplus, much of which is in our storage for immediate shipment. We contemplate having a sufficient labor force to get any material that is in the field dug in good shape in the spring. We invite your inquiry and will be glad to furnish quotations. We would also be glad to send you our wholesale catalog which will be out sometime in late January or early February.

100 *Acer dasycarpum*, 6 to 8 ft.
 100 1 1/2 to 1 1/2 ins. 200 2 to 2 1/2 ins.
 150 1 1/2 to 2 ins. 150 2 1/2 to 3 ins.
 300 *Acer platanoides*, 6 to 8 ft.
 1000 8 to 10 ft. 500 1 1/2 to 2 ins.
 500 1 1/2 to 1 1/2 ins. 500 3 to 8 ins.
 500 1 1/2 to 1 1/2 ins.
 100 *Acer platanoides columnare*, 1 1/2 to 1 1/2 ins. 100 2 to 2 1/2 ins.
 50 1 1/2 to 2 ins.
 200 *Acer rubrum*, 6 to 8 ft.
 150 8 to 10 ft. 75 1 1/2 to 2 ins.
 75 1 1/2 to 1 1/2 ins. 75 2 to 2 1/2 ins.
 200 1 1/2 to 1 1/2 ins.
 2000 *Acer saccharum*, 5 to 6 ft.
 500 6 to 10 ft. 300 3 to 6 ins.
 300 8 to 10 ft.
 90 *Alnus incana*, 6 to 8 ft.
 120 *Alnus incana*, 8 to 10 ft.
 75 *Carpinus betulus*, 4 to 5 ft.
 150 6 to 8 ft. 140 6 to 8 ft.
 80 *Carpinus caroliniana*, 6 to 8 ft.
 60 *Carpinus caroliniana*, 8 to 10 ft.
 100 *Celtis occidentalis*, 5 to 6 ft.
 200 *Celtis occidentalis*, 6 to 8 ft.
 150 *Cercis canadensis*, 6 to 8 ft., heavy.
 100 *Cercis canadensis*, 8 to 10 ft., heavy.
 150 *Cornus florida*, 5 to 6 ft.
 400 6 to 8 ft. 200 8 to 10 ft.
 300 *Crataegus calpodendron*, 3 to 4 ft.
 300 *Crataegus calpodendron*, 4 to 5 ft.
 60 *Crataegus coccinoides*, 3 to 4 ft.
 60 *Crataegus coccinoides*, 4 to 5 ft.
 200 *Crataegus mollis*, 3 to 4 ft.
 100 4 to 5 ft. 100 6 to 8 ft.
 100 5 to 6 ft. 90 8 to 10 ft.
 75 *Crataegus oxyacantha*, 4 to 5 ft.
 100 5 to 6 ft. 75 6 to 8 ft.
 150 *Crataegus cordata*, 5 to 6 ft.
 225 6 to 8 ft. 150 8 to 10 ft.
 200 *Fraxinus lanceolata*, 6 to 8 ft.
 300 8 to 10 ft. 100 1 1/2 to 1 1/2 ins.
 150 *Ginkgo biloba fastigiata*, 4 to 5 ft.
 150 *Ginkgo biloba fastigiata*, 5 to 6 ft.
 150 *Gleditsia triacanthos*, 5 to 6 ft.
 400 6 to 8 ft. 300 8 to 10 ft.
 250 *Gleditsia tria. inermis*, 5 to 6 ft.
 450 6 to 8 ft. 150 8 to 10 ft.
 150 *Liquidambar styraciflua*, 5 to 6 ft.
 250 6 to 8 ft. 200 2 to 2 1/2 ins.
 200 1 1/2 to 2 ins. 75 2 1/2 to 3 ins.
 150 *Magnolia kobus*, 4 to 5 ft.
 150 *Magnolia kobus*, 5 to 6 ft.
 100 *Magnolia glauca*, 5 to 6 ft.
 200 *Magnolia glauca*, 6 to 8 ft.
 60 *Malus doylei*, 8 to 10 ft.
 40 *Malus Doylei*, 8 to 10 ft.
 60 *Malus Echtermeyeri*, 6 to 8 ft.
 40 *Malus Gloriosa*, 8 to 10 ft.
 30 *Malus Gloriosa*, 10 to 12 ft.
 60 *Malus Hops*, 6 to 8 ft.
 60 *Malus Hops*, 8 to 10 ft.
 60 *Malus theifera*, 6 to 8 ft.
 60 *Malus loensis*, 6 to 8 ft.
 100 *Malus loensis*, 8 to 10 ft.
 40 *Malus micromalus*, 6 to 8 ft.
 40 *Malus micromalus*, 8 to 10 ft.
 30 *Malus prunifolia rinki*, 6 to 8 ft.
 60 *Malus prunifolia rinki*, 8 to 10 ft.
 80 *Malus purpurea eleyi*, 6 to 8 ft.
 40 *Malus purpurea eleyi*, 8 to 10 ft.
 30 *Malus robusta fastigiata*, 6 to 8 ft.
 90 *Malus robusta fastigiata*, 8 to 10 ft.
 200 *Morus alba tatarica*, 6 to 8 ft.
 100 8 to 10 ft. 175 1 1/2 to 2 ins.
 400 *Oriental Flowering Cherries*, in variety 6 to 8 ft.
 345 *Oriental Flowering Cherries*, 8 to 10 ft.
 140 *Oxydendron arboreum*, 4 to 5 ft.
 140 5 to 6 ft. 100 6 to 8 ft.
 150 *Platanus occidentalis*, 6 to 8 ft.
 150 *Platanus occidentalis*, 8 to 10 ft.
 400 *Platanus occidentalis*, 6 to 8 ft.
 250 1 1/2 to 1 1/2 ins. 500 8 to 10 ft.
 1000 4 to 8 ins.
 500 *Populus balsamifera*, 3 to 4 ins.
 50 *Populus balsamifera*, 4 to 5 ins.
 125 *Populus maximowiczii*, 1 1/2 to 2 ins.
 100 *Populus maximowiczii*, 2 to 3 ins.
 150 *Populus nigra Italica*, 1 1/2 to 2 ins.
 250 2 to 2 1/2 ins. 175 3 to 4 ins.
 200 3 1/2 to 3 ins.
 150 *Prunus americana Newport*, 6 to 8 ft.
 50 *Prunus americana Newport*, 8 to 10 ft.
 100 *Prunus cer. pissardii nigra*, 6 to 8 ft.
 100 *Prunus padus commutata*, 3 to 3 ft.
 150 3 to 4 ft. 60 5 to 6 ft.
 150 4 to 5 ft.
 200 *Quercus bicolor*, 3 to 4 ft., tr.
 200 *Quercus bicolor*, 4 to 5 ft., tr.
 250 *Quercus coccinea*, 4 to 5 ft., tr.
 200 *Quercus coccinea*, 5 to 6 ft., tr.
 200 *Quercus lyrata*, 3 to 4 ft., tr.
 150 *Quercus lyrata*, 4 to 5 ft., tr.

100 *Quercus nigra*, 3 to 4 ft., tr.
 125 *Quercus nigra*, 4 to 5 ft., tr.
 300 *Quercus phellos*, 3 to 4 ft., tr.
 250 *Quercus phellos*, 4 to 5 ft., tr.
 200 *Quercus phellos*, 5 to 6 ft., tr.
 75 *Quercus prinus*, 3 to 4 ft., tr.
 120 4 to 5 ft., tr. 75 5 to 6 ft., tr.
 100 *Quercus robur*, 5 to 6 ft., ad.
 120 *Quercus robur*, 6 to 8 ft., ad.
 100 *Quercus robur fastigiata*, 4 to 5 ft., ad.
 175 5 to 6 ft., ad. 275 6 to 8 ft., ad.
 1500 *Quercus rubra*, 3 to 4 ft., ad.
 1500 4 to 5 ft., ad. 400 8 to 10 ft.
 1500 5 to 6 ft., ad. 100 1 1/2 to 2 ins.
 150 4 to 5 ft., tr. 275 2 to 2 1/2 ins.
 250 5 to 6 ft., tr. 200 2 1/2 to 3 ins.
 600 6 to 8 ft. 75 3 to 4 ins.
 75 *Quercus velutina*, 3 to 4 ft., tr.
 150 4 to 5 ft., tr. 200 5 to 6 ft., tr.
 600 *Ulmus carpinifolia*, 6 to 8 ft.
 400 8 to 10 ft. 200 2 to 2 1/2 ins.
 500 1 1/2 to 1 1/2 ins. 75 2 1/2 to 3 ins.
 400 1 1/2 to 2 ins.

SHRUBS

150 *Acanthopanax sieboldianus*, 1 1/2 to 2 ft.
 450 2 to 3 ft. 100 3 to 4 ft.
 125 *Benzoin aestivale*, 4 to 5 ft.
 125 5 to 6 ft. 40 6 to 8 ft.
 1200 *Berberis thunbergii minor*, 1 1/2 to 2 ft.
 1100 *Berberis thunbergii minor*, 2 to 2 1/2 ft.
 300 *Buddleia Charming*, No. 1.
 150 *Buddleia Concord*, No. 1.
 700 *Buddleia Dubonnet*, No. 1.
 100 *Buddleia Royal Red*, No. 1.
 250 *Caragana arboreasens*, 3 to 4 ft.
 175 *Caragana arboreasens*, 4 to 5 ft.
 50 *Chionanthus virginicus*, 5 to 6 ft.
 100 *Chionanthus virginicus*, 6 to 8 ft.
 125 *Cornus spaehtli*, 2 to 3 ft.
 150 *Cornus spaehtli*, 3 to 4 ft.
 170 *Cornus mas*, 2 to 3 ft.
 100 *Cornus mas*, 3 to 4 ft.
 30 *Cotoneaster acutifolia*, 3 to 4 ft.
 125 4 to 5 ft. 10 5 to 6 ft.
 100 *Cotoneaster rogersiana*, 1 1/2 to 2 ft.
 120 2 to 3 ft. 100 3 to 3 1/2 ft.
 200 *Deutzia gracilis rosea*, 2 to 2 1/2 ft.
 200 *Deutzia lemoinei*, 1 1/2 ins.
 100 1 1/2 to 2 ft. 400 2 1/2 to 3 ft.
 100 *Deutzia Pride of Rochester*, 3 to 4 ft.
 190 *Deutzia Pride of Rochester*, 4 to 5 ft.
 700 *Euonymus alatus compactus*, 2 to 2 1/2 ft.
 60 *Euonymus Americanus*, 1 1/2 to 2 ft.
 90 3 to 4 ft.
 50 4 to 5 ft.
 150 *Euonymus atropurpureus*, 2 to 4 ft.
 75 *Euonymus atropurpureus*, 4 to 5 ft.
 200 *Euonymus europaeus*, 6 to 6 ft.
 150 *Euonymus europaeus*, 6 to 8 ft.
 150 *Forsythia intermedia*, 2 to 3 ft.
 50 *Forsythia intermedia*, 3 to 4 ft.
 425 *Forsythia int. spectabilis*, 1 1/2 to 2 ft.
 900 2 to 3 ft. 200 4 to 5 ft.
 400 3 to 4 ft.
 130 *Forsythia suspensa*, 1 1/2 to 2 ft.
 300 2 to 3 ft.
 150 3 to 4 ft.
 100 *Hamamelis japonica*, 4 to 5 ft.
 100 *Hamamelis virginiana*, 3 to 4 ft.
 250 4 to 5 ft. 150 6 to 8 ft.
 150 5 to 6 ft.
 200 *Hibiscus syr. anemoniflorus*, 6 to 8 ft.
 250 *Hibiscus syr. celestia*, 5 to 6 ft.
 200 *Hibiscus syr. celestia*, 5 to 6 ft.
 150 *Hibiscus syr. pur. semiplenus*, 3 to 4 ft.
 125 *Hibiscus syr. pur. semiplenus*, 6 to 8 ft.
 50 *Hibiscus syr. totus albus*, 5 to 6 ft.
 90 6 to 7 ft. 30 7 to 8 ft.
 40 *Hibiscus syr. variegatus*, 3 to 4 ft.
 250 *Hibiscus syr. variegatus*, 4 to 5 ft.
 400 *Hypericum arnoldianum*, 3 to 4 ft.
 300 *Hypericum arnoldianum*, 4 to 5 ft.
 50 *Hypericum kalmianum*, 1 1/2 to 2 ft.
 250 *Hypericum kalmianum*, 2 to 3 ft.
 200 *Ilex verticillata*, 3 to 4 ft.
 175 *Ilex verticillata*, 4 to 5 ft.
 1200 *Ligustrum obt. regelianum*, 12 to 18 ins.
 700 1 1/2 to 2 ft. 175 2 1/2 to 3 ft.
 250 2 to 2 1/2 ft. 200 3 to 3 1/2 ft.
 150 *Lonicera bella albidia*, 4 to 5 ft.
 250 5 to 6 ft. 100 6 to 8 ft.
 50 *Lonicera bella atropurpurea*, 3 to 4 ft.
 125 4 to 5 ft. 40 6 to 8 ft.
 75 5 to 6 ft.
 100 *Lonicera tatarica alba*, 2 to 3 ft.
 400 3 to 4 ft. 150 5 to 6 ft.
 400 4 to 5 ft. 200 6 to 8 ft.

500 *Lonicera tatarica grandiflora*, 2 to 3 ft.
 75 3 to 4 ft. 40 6 to 8 ft.
 75 5 to 6 ft.
 100 *Philadelphus Avalanche*, 5 to 6 ft.
 40 *Philadelphus Avalanche*, 6 to 8 ft.
 300 *Philadelphus Cole's Glor.*, 3 to 4 ft.
 100 *Philadelphus Cole's Glor.*, 4 to 5 ft.
 350 *Philadelphus coronarius*, 4 to 5 ft.
 300 5 to 6 ft. 150 6 to 8 ft.
 100 *Philadelphus cymosus Banniere*, 3 to 4 ft.
 100 *Philadelphus cymosus Banniere*, 4 to 5 ft.
 75 *Philadelphus cymosus Norma*, 4 to 5 ft.
 65 5 to 6 ft. 25 6 to 8 ft.
 300 *Philadelphus gordonianus*, 6 to 8 ft.
 250 *Philadelphus grandiflorus*, 4 to 5 ft.
 50 *Philadelphus grandiflorus*, 5 to 6 ft.
 90 *Philadelphus lewisii*, 2 to 3 ft.
 25 3 to 4 ft. 50 5 to 6 ft.
 50 4 to 5 ft.
 75 *Photinia villosa laevis*, 5 to 6 ft.
 100 *Photinia villosa laevis*, 6 to 8 ft.
 100 *Physocarpus op. luteus*, 3 to 4 ft.
 125 4 to 5 ft. 25 5 to 6 ft.
 300 *Rhamnus cathartica*, 4 to 5 ft.
 300 *Rhamnus cathartica*, 5 to 6 ft.
 100 *Rhamnus davurica*, 5 to 6 ft.
 600 *Rhamnus davurica*, 6 to 8 ft.
 800 *Rhamnus frangula*, 6 to 8 ft.
 200 *Rhus aromatica*, 2 to 3 ft.
 100 3 to 4 ft. 250 4 to 5 ft.
 150 *Rhus trilobata*, 2 to 3 ft.
 100 *Rosa rugosa*, 12 to 18 ins.
 140 1 1/2 to 3 ft.
 150 *Sambucus canadensis*, 5 to 6 ft.
 60 *Sambucus nigra aurea*, 3 to 4 ft.
 125 *Sambucus nigra aurea*, 4 to 5 ft.
 500 *Spiraea bumalda froebelii*, 2 to 2 1/2 ft.
 50 *Spiraea prunifolia plena*, 3 to 4 ft.
 50 *Spiraea prunifolia plena*, 4 to 5 ft.
 125 *Spiraea salicifolia*, 3 to 4 ft.
 250 *Spiraea thunbergii*, 1 1/2 to 2 ft.
 150 *Spiraea trichocarpa*, 3 to 4 ft.
 200 *Spiraea trichocarpa*, 4 to 5 ft.
 200 *Spiraea vanhouttei*, 1 1/2 to 2 ft.
 200 *Spiraea vanhouttei*, 2 to 3 ft.
 140 *Stephanandra incisa*, 1 1/2 to 2 ft.
 200 *Stephanandra incisa*, 2 to 3 ft.
 250 *Symphoricarpos albus*, 3 to 4 ft.
 50 *Symphoricarpos albus*, 4 to 5 ft.
 75 *Symphoricarpos mollis*, 3 to 4 ft.
 100 *Symphoricarpos mollis*, 4 to 5 ft.
 300 *Symphoricarpos orbiculatus*, 1 1/2 to 2 ft.
 150 *Symphoricarpos chenaultii*, 4 to 5 ft.
 100 *Symphoricarpos chenaultii*, 5 to 6 ft.
 50 *Tamarix africana*, 2 to 3 ft.
 70 *Tamarix africana*, 3 to 4 ft.
 100 *Viburnum dentatum*, 1 1/2 to 2 ft.
 210 2 to 3 ft. 175 5 to 6 ft.
 70 3 to 4 ft. 900 6 to 8 ft.
 200 4 to 5 ft.
 80 *Viburnum dilatatum*, 3 to 4 ft.
 90 4 to 5 ft. 30 5 to 6 ft.
 60 *Viburnum lantana*, 3 to 4 ft.
 90 4 to 5 ft. 90 6 to 8 ft.
 150 5 to 6 ft.
 125 *Viburnum lentago*, 4 to 5 ft.
 175 5 to 6 ft. 350 8 to 10 ft.
 650 6 to 8 ft.
 50 *Viburnum molle*, 4 to 5 ft.
 140 *Viburnum molle*, 5 to 6 ft.
 150 *Viburnum opulus*, 4 to 5 ft.
 400 5 to 6 ft. 500 6 to 8 ft.
 150 *Viburnum xanthocarpum*, 2 to 3 ft.
 60 *Viburnum xanthocarpum*, 3 to 4 ft.
 125 *Viburnum prunifolium*, 2 to 3 ft.
 135 *Viburnum prunifolium*, 3 to 4 ft.
 120 *Viburnum pubescens*, 2 to 3 ft.
 100 *Viburnum pubescens*, 3 to 4 ft.
 100 *Viburnum tomentosum rotund.*, 2 to 4 ft.
 25 *Viburnum tomentosum rotund.*, 4 to 5 ft.
 200 *Viburnum trilobum*, 3 to 4 ft.
 500 4 to 5 ft. 500 5 to 6 ft.

VINES

700 *Celastrus orbiculata*, 2-yr.
 700 *Celastrus scandens*, 2-yr.
 2000 *Lycium chinense*, 2-yr.
 2000 *Parthenocissus quinquefolia*, 2-yr.
 1000 *Polygonum amurensis*, 2-yr.
 200 *Wistaria magnifica*, 2-yr.

SMALL FRUITS

10,000 *Raspberry New Logan*, No. 1 thos.
 2000 *Grape Concord*, 2-yr., No. 1.
 2000 *Grape Niagara*, 2-yr., No. 1.

the customer is better satisfied and oftentimes will order more stock at the time of planting. Sometimes agents who sell landscape orders arrange to plant them too. From your point of view, this is an ideal arrangement because it relieves you of that responsibility at a busy season.

Be on the alert for new varieties and specialties of merit to give your salesmen. A salesman who has several of these to offer finds it easier to get an order started. Everyone is interested in something new. Mail-order nurseries have done the most to cash in on this idea. Unfortunately some of the less scrupulous firms have exploited varieties which have little merit or have chosen old, well known varieties and given them new names to create the impression that they were offering something new. Not only is this unethical, but it causes confusion in nomenclature.

One of the best ways to boost sales is to conduct a contest among your salesmen. Set a quota and give bonuses to all who make it, or offer prizes to agents who show the greatest percentage of increase in their sales over a given period. One agency nursery makes successful use of certificates of merit, and prizes such as watches, rings, etc., for consistent and meritorious work in making sales.

Even though you may not be conducting a contest, you can arouse the spirit of competition among your agents by keeping them informed of the sales of the others. You can do this in an impersonal manner by issuing a bulletin or circular showing the weekly sales of each agent.

In the early days of the agency nursery business, no attempt was made to collect anything from the customer at the time of the sale. He did not have to pay for his stock until he received it from the nursery. About twenty years ago, some of the more progressive firms began encouraging their salesmen to secure partial payments on orders. In order to induce the customer to make advance payments, the agent was authorized to give a small discount or offer stock premiums. The larger the advance payment, the greater the discount or the more valuable the premiums offered. To simplify the making of advance payments, it is customary to supply the agents with universal checks having the name of the nursery printed in as payee. The agent sends the check direct to the nursery.

The practice of collecting advance payments has become standard in the industry. Today many agents collect some on all orders, often the full amount. There are several advantages arising from the collection of advance

SPRING SURPLUS LIST

The following material is offered for immediate shipment, but subject to previous sale. Most items are in very limited quantities. Grade and quality is first class. Combination carloads available to many Eastern distributing points.

SEEDLINGS

Apple Seedlings	Per 1000	Pear, Bartlett Seedlings	Per 1000
3/16 to 1/4-in., Br., No. 1.....	\$25.00	3/16 to 1/4-in., Br., No. 1.....	\$28.00
2/16 to 3/16-in., Br., No. 2.....	18.00	2/16 to 3/16-in., Br., No. 2.....	20.00
Just at 3/16-in., No. 3.....	12.00	Just at 3/16-in., No. 3.....	14.00
2/16 to 3/16-in., Liners.....	14.00	Myrobalan Plum	
Birch, European White		2/16 to 3/16-in., No. 1.....	18.00
No. 4, about 6 to 8 ins.....	25.00	Just at 3/16-in., No. 3.....	14.00
		Just under 2/16-in., No. 4.....	10.00

MISCELLANEOUS

Birch, Canoe	Each	Maple Red (Acer Rubrum)	Each
8 to 10 ft., Br.....	\$1.00	7 to 8 ft.....	\$0.85
4 to 5 ft., Br.....	.40	6 to 7 ft.....	.75
3 to 4 ft., Br.....	.30	5 to 6 ft.....	.65
2 to 3 ft., Br.....	.20	4 to 5 ft.....	.55
Birch, European White		Maple, Schwedler	
10 to 12 ft., Br.....	1.10	5 to 6 ft., Whip.....	.70
4 to 5 ft., Br.....	.40	4 to 5 ft., Whip.....	.60
3 to 4 ft., Br.....	.30	Oak, Pin	
2 to 3 ft., Br.....	.20	7 to 8 ft.....	1.00
Ginkgo Biloba		6 to 7 ft.....	.85
5 to 6 ft., Br.....	1.35	5 to 6 ft.....	.75
10 to 12 ft., Whip.....	1.35	Oak, Red	
8 to 10 ft., Whip.....	1.25	8 to 10 ft., Br.....	1.50
7 to 8 ft., Whip.....	1.10	6 to 8 ft., Br.....	1.25
6 to 7 ft., Whip.....	1.00	Walnut, English	
5 to 6 ft., Whip.....	.80	2 to 3 ft.....	.50
Horse Chestnut, Pink-flowering		18 to 24 ins.....	.35
8 to 9 ft., Whip.....	3.00	12 to 18 ins.....	.30
7 to 8 ft., Whip.....	2.75	Coletea Arboreasens	
6 to 7 ft., Whip.....	2.50	6 to 8 ft., Br.....	1.25
5 to 6 ft., Whip.....	2.25	5 to 6 ft., Br.....	1.00
4 to 5 ft., Whip.....	2.00	4 to 5 ft., Br.....	.75
Linden, Pyramidal American		Hawthorn, Paul's Scarlet	
5 to 6 ft.....	.75	6 to 7 ft., Br.....	1.10
4 to 5 ft.....	.65	5 to 6 ft., Br.....	1.00
Maple, Norway		4 to 5 ft., Br.....	.85
4 to 5 ft., Whip.....	.25	Quince, Japanese Seedlings	
3 to 4 ft., Whip.....	.20	18 to 24 ins.....	.40
		12 to 18 ins.....	.30

A. McGILL & SON
Fairview, Oregon

READY FOR IMMEDIATE DELIVERY

VICTORIA RHUBARB (Whole Roots)	Per 100	Per 1000
3/8 to 1/2-in. cal.....	\$ 2.75	\$25.00
1/2 to 3/4-in. cal.....	3.75	35.00
3/4 to 1-in. cal.....	4.50	40.00
1 to 1 1/4-in. cal.....	6.50	50.00
1 1/4-in. cal. and up, clumps.....	10.00	....

HORSE-RADISH		
Maliner Kren, 4-in. cuttings.....	1.25	10.00
Maliner Kren, whole roots.....	4.50	40.00

BLACKBERRIES, 1-year-old Root Cutting Plants		
No. 1	No. 2	
Per 100 Per 1000	Per 100 Per 1000	
Eldorado.....	\$4.00 \$35.00	\$3.00 \$25.00
Alfred.....	4.00 35.00	3.00 25.00

RED RASPBERRIES	1-yr., No. 1	1-yr., No. 2
St. Regis.....	5.50 50.00	4.00 35.00

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Ask for quotations.

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COMMUNIS HIBERNICA FASTIGI-
ATA, 3 to 4 ft.
Carloads or truckloads of fine plants.

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Thornless and Regular

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English Broad-leaved Sage
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Whole Roots and Cuttings

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Silver Lace, 2-yr., No. 1 and Med.
Euonymus Carrierei, 12 to 18 ins.
Euonymus Coloratus, 2-yr.

— Send for Complete Trade List —

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New Carlisle, Ohio

payments: Orders on which advance payments have been made are seldom canceled. Such orders are easy to deliver because the customer has a cash interest in them which he does not care to lose. The money received in advance payments helps to pay salesmen's commissions, thus reducing the financial load when income is at the lowest ebb.

Agents should be required to report weekly. To make it easier for them, provide a blank with spaces for dates of orders, names of customers, amounts of orders and amounts of advance payments. This report, which should accompany the original orders, serves as a check on the week's work and a permanent record of the business booked.

Acknowledge all orders as soon as you receive them from your agents. Some agency nurseries follow the practice of sending the customer an exact copy of his order. If there is anything wrong, he has an opportunity to get it corrected at once. This method will help you detect any irregularities on the part of salesmen who are not inclined to play the game honestly.

ORA J. JEWELL, route 1, box 290, Santa Cruz, Cal., recently purchased the Kispagh Nursery.

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	No. 1	No. 2
10,000 Wm. Kesselring	\$12.00	\$ 8.00
8,000 Prime Minister	12.00	8.00
3,000 Lillian	14.00	9.00
3,000 San Antonio	15.00	10.00
3,000 R. P. Struthers	14.00	9.00
500 Salmon Beauty		10.00
500 Tigress		10.00
2,000 Thor		8.00
500 Von Hockberg		9.00
1,500 Daily Sketch		9.00
2,000 Rosenberg		8.00
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TRUE DWARF BOXWOOD

Buxus Suffruticosa Per 10
12 to 16 ins., B.&B. \$11.00
16 to 18 ins., B.&B. 22.00
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CATALOG you cannot afford
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WONDERLAND NURSERIES
Ellerson, Va.

Plant Notes Here and There

By C. W. Wood

If I were commencing in commercial plant growing again, one of my first tasks would be to collect all the poppies I could find, knowing that the adventure would hold a heap of pleasure, that it might bring not a little profit and that it would enrich the gardens of my clients. Parenthetically, one old in the game of life, including plant growing, if he has not made a fetish of money-making, reaches the point when the last of these is as important as the next to the last. The trail at first would lead to the Iceland and Oriental poppies, I suppose, and then to the alpine elves (an adventure in itself). But I should not let it stop there, as many do.

Commencing in Spain, Portugal and Morocco and continuing through the Mediterranean regions, on into Asia Minor and the Himalayan regions, there is a long list of poppies. Among them will be found the overzealous *Papaver rupifragum*, whose apricot-colored cups delight the gardener from spring until autumn, though its desire to people the earth with its progeny sometimes diminishes one's admiration for the plant; *P. pilosum*, in lovely orange-salmon; *P. schinzianum*, with a rosette of beautiful silver filigree work and 2-foot stems bearing several large salmon saucers. These would be merely a start, because they are legion, all beautiful, some easy to secure and others as elusive as the rainbow's end. The fun of collecting them holds as much high adventure as any other phase of gardening and more satisfaction than ordinarily attends such a task, because one is justified in assuming that every new one added to the collection will not only be another version of beauty, but will also be a thoroughly amiable fellow.

Aquilegia Formosa.

Gardeners are funny. We search all over the world for plants while right at home we have the equal, or better, of anything we are apt to find in remote corners. A western columbine, *Aquilegia formosa*, is a case in point. And its near relative, *A. canadensis*, is another. The two plants are so nearly related, in fact, that we can consider them together. First, though, let us look at the western.

Aquilegia formosa grows naturally from Alaska southward to California and eastward to the Rockies.

One would expect to find some variation from the type in a columbine with so wide a range and one will not be disappointed in this case. In the case of typical *formosa*, height (one to two feet) and leaves are the same as our common eastern species. But the flowers are quite different, being normally quite clearly marked between brick-red and yellow, with spurs more spreading and usually shorter. The large sepals are also a distinguishing mark. There are other differences, but the ones mentioned are sufficient to set the plant apart. Years ago we were able to procure a supposed hybrid between this species and *A. chrysantha*, usually known as *A. superba*, whose bright scarlet sepals, yellow petals and the long spreading spurs of *A. chrysantha* made it one of the bright spots of a columbine planting. A double form and a dwarf white form are also

mentioned in the literature. No matter what form of *formosa* you obtain, you will be repaid for the time and space devoted to it.

As the plant is both hardy and amiable, it should find a ready acceptance from gardeners. In its smaller forms it is a splendid rock garden plant (even the tallest would be acceptable in large rock gardens); any of the forms would make a bright ornament in a wild garden or open woodland and for planting among shrubs. It has one of the longest blooming periods of any columbine that I know, extending from May to August here in northern Michigan, if the weather does not become too hot and dry.

Our eastern species, *A. canadensis*, needs no introduction to most readers of the American Nurseryman, because it has long been known in gardens. Not all are likely, however, to

STRAWBERRIES — ASPARAGUS

Best Quality Stock. Order Now For Shipment As Wanted.

STRAWBERRY PLANTS

Weather conditions in our locality were favorable for the production of nice, stocky Strawberry plants. If you are interested in large numbers of plants, or in our pack-out service (whereby shipments are made direct to your customers under your tags), write for details. We are facilitated to take care of your Strawberry plant business. Let us figure with you on your particular requirements.

STANDARD VARIETIES:	Per Per Per Per			
	25	100	250	1000
Blakemore, Dunlap, Missionary.....	\$0.40	\$1.25	\$2.25	\$8.00
Klondyke, Majestic, Massey, Maytime, Swanee.....	.45	1.40	2.50	9.00
Ambrosia Late, Big Joe, Catskill, Chesapeake, Dorsett, Fairfax, Fairpeake, Gandy, Lupton Late, Midland, Parsons Beauty, Premier, Redstar, Robinson, Starbright, Southland, Temple.....	.50	1.50	2.75	10.00

EVERBEARING VARIETIES:	Per Per Per Per			
	25	100	250	1000
Gem, Lucky Strike, Mastodon, Evermore (Minn. 1166).....	.75	2.50	5.00	18.00
Gemsata.....	1.00	3.25	7.00	25.00

No extra charge is made for the package or packing on Strawberry plant orders. Prices quoted are for delivery as wanted during the Spring shipping season, ending June 1, 1946, and apply as follows:

- 25 to 75 plants of one variety at the 25 rate.
- 100 to 225 plants of one variety at the 100 rate.
- 250 to 475 plants of one variety at the 250 rate.
- 500 plants or more of one variety at the 1000 rate.

ASPARAGUS ROOTS

Our Asparagus roots have made a particularly good growth this season. We are the largest growers of Asparagus roots in the country. Write for special prices on large numbers.

MARY WASHINGTON	Per Per Per Per			
	25	100	250	1000
3-year, No. 1 grade.....	\$1.25	\$4.00	\$8.75	\$30.00
2-year, No. 1 grade.....	.75	2.50	5.25	18.00

All quotations are F.O.B. Selbyville, subject to stock being sold upon receipt of order. Free packing for cash with order. Please use your printed stationery when requesting wholesale prices.

BUNTINGS' NURSERIES, INC.

Box 3

SELBYVILLE, DELAWARE

BAGATELLE NURSERY

Growers of Azaleas, Beeches, Cornus,

Enkianthus, Evergreens,

Hybrid Lilacs, Ilex Crenata,

Kalmia, Malus, Prunus,

Rhododendrons and Shade Trees

Catalog on request.

P. O. Huntington Station, N. Y.

be acquainted with its wide variability, unless they have made a study of the species. It would be quite profitless to name the varieties recognized by botanists or the names which have appeared in horticultural literature, because few are now available, but it should be pointed out that the species holds much promise for improvement in the hands of plant breeders.

Mertensia Paniculata.

One's first look at *Mertensia paniculata* is not likely to be reassuring that a plant of much ornamental value has been found. In fact, the second and third looks may give little more promise. It is only when the plant is seen in the one situation—dense shade—which it is fitted to fill that one commences to realize its value as a garden plant.

One of the most irritating problems a planter has to solve is to clothe spots under trees where "practically nothing will grow." Some trees have that effect on the surrounding soil, and nothing one does seems to alter the fact. I, too, thought these situations were hopeless until I saw, several years ago, the use made of *Mertensia paniculata* in some of the plantings in the Chicago parks.

This lungwort is quite different from the usual conception of *Mertensia* based on the popular member of the genus, *M. virginica*, and, though it does not possess beauty to the same degree as the latter, it is especially useful for our present purpose. As it was used in the Chicago parks and as I have seen it used since, the plant produces a thick green ground cover of hairy leaves from spring until fall in the seemingly impossible places one is always running into in the shady garden, and all at no trouble at all except for a cutting over as soon as the flowering season is past.

Silene Maritima.

Because a plant is so easily grown that even the most casual gardener can enjoy it or if it has been in gardens so long that it has become commonplace, the sophisticate is apt to scorn it. If either of these reasons, or any other equally silly, has caused the eclipse of that paragon of virtues, *Silene maritima*, something should be done about it.

Consider first its tuft of pretty leaves, which are ornamental enough in themselves to give the plant a place in any garden. That same feature gives this *Silene* special value for planting in sunny crevices in wall and rock garden, roles to which the

NOW READY FOR SHIPMENT

The following shrubs are in storage and can be shipped any time, or we will hold them until you are ready. Boxing and baling at cost.

	Each
400 <i>Aronia arbutifolia</i> , 18 to 24 ins.	\$0.25
400 <i>Aronia arbutifolia</i> , 2 to 3 ft. ....	.30
150 <i>Cornus paniculata</i> , 18 to 24 ins. ....	.20
200 <i>Cornus paniculata</i> , 2 to 3 ft. ....	.25
200 <i>Cotoneaster acutifolia</i> , 18 to 24 ins. ....	.20
400 <i>Cotoneaster acutifolia</i> , 2 to 3 ft. ....	.25
200 <i>Cotoneaster foveolata</i> , 2 to 3 ft. ....	.35
150 <i>Deutzia Pride of Rochester</i> , 2 to 3 ft. ....	.25
500 <i>Euonymus alatus</i> , 3 to 4 ft. ....	.65
100 <i>Euonymus alatus compactus</i> , 2 to 3 ft. ....	.65
150 <i>Foraythia spectabilis</i> , 18 to 24 ins. ....	.25
50 <i>Halesia tetraptera</i> , 3 to 4 ft. ....	.50
300 <i>Ligustrum regelianum</i> , 12 to 15 ins. ....	.15
700 <i>Ligustrum regelianum</i> , 15 to 18 ins. ....	.15
200 <i>Ligustrum regelianum</i> , 18 to 24 ins. ....	.25
200 <i>Lonicera sabiei</i> , 18 to 24 ins. ....	.25
150 <i>Photinia villosa</i> , 18 to 24 ins. ....	.20
100 <i>Rhus canadensis</i> , 15 to 18 ins. ....	.20
100 <i>Rhus canadensis</i> , 18 to 24 ins. ....	.25
100 <i>Rhus canadensis</i> , 2 to 3 ft. ....	.30
100 <i>Spiraea billardii</i> , 18 to 24 ins. ....	.20
900 <i>Spiraea vanhouttei</i> , 2 to 3 ft. ....	.25
100 <i>Symphoricarpos chenaultii</i> , 2 to 3 ft. ....	.20
200 <i>Symphoricarpos chenaultii</i> , 3 to 4 ft. ....	.30
500 <i>Symphoricarpos racemosus</i> , 18 to 24 ins. ....	.15
300 <i>Symphoricarpos racemosus</i> , 2 to 3 ft. ....	.20
500 <i>Symphoricarpos vulgaris</i> , 18 to 24 ins. ....	.15
500 <i>Symphoricarpos vulgaris</i> , 2 to 3 ft. ....	.20
400 <i>Syringa persica</i> , 2 to 3 ft. ....	.35
500 <i>Viburnum americanum</i> , 18 to 24 ins. ....	.20
200 <i>Viburnum dentatum</i> , 2 to 3 ft. ....	.25
200 <i>Viburnum dentatum</i> , 18 to 24 ins. ....	.20
300 <i>Viburnum dentatum</i> , 2 to 3 ft. ....	.25
100 <i>Viburnum dentatum</i> , 3 to 4 ft. ....	.35
400 <i>Viburnum lantana</i> , 18 to 24 ins. ....	.20
500 <i>Viburnum lantana</i> , 2 to 3 ft. ....	.25
300 <i>Viburnum opulus</i> , 3 to 4 ft. ....	.35
200 <i>Viburnum tomentosum</i> , 18 to 24 ins. ....	.25

I. E. ILGENFRITZ' SONS CO.

Monroe, Mich.

GARDEN ROOTS

ASPARAGUS

PARADISE	Per 100	Per 1000
3-year	\$3.50	\$30.00
2-year	2.50	20.00
1-year	1.90	16.00
WASHINGTON		
3-year	\$3.00	\$25.00
2-year	2.00	18.00
1-year	1.40	12.00

RHUBARB

MAC DONALD

	Per 100	Per 1000
Strong Div.	\$30.00	\$250.00

GIANT VICTORIA

Whole Roots	
$\frac{5}{8}$ to 1-inch.	\$4.50 \$40.00
$\frac{1}{2}$ to $\frac{5}{8}$ -inch	3.50 30.00

THE WILLIS NURSERY CO.

OTTAWA, KANSAS

We have a nice assortment of shade trees to offer in the following varieties:

NORWAY MAPLE
GINKGO BILOBA
SCARLET OAK
PIN OAK
RED OAK
BLACK OAK
AMERICAN ELM

FAIRVIEW EVERGREEN NURSERIES
Fairview, Pennsylvania

Refer to the February 1 issue of the American Nurseryman for Wholesale Price List of

CONIFERS, FLOWERING CRABS,
SHRUBS, ROSES, etc.

Or write us for a reprint.

THE HOWARD-HICKORY CO.
Hickory, N. C.

plant is usually relegated. But that is not the extent of its usefulness, as you can prove to yourself by using it as an edging in the hardy border or along a path. Add to the foregoing an ability to get along on little fertility and moisture, and you have a plant that is needed in the difficult climate of much of this country.

In addition to the type, with its inflated white cups on rather sprawling stems, there are variety rosea, whose "pink" flowers are so pale that pink is almost an unearned compliment, and a double-flowered form, variety flore-pleno. The latter is a most satisfying garden plant, one in which the doubling of the flowers, giving them the appearance of small carnations, has taken away few, if any, of the plant's charms.

Linaria Ventricosa.

Two inquiries during the winter about *Linaria ventricosa* tell me that seeds of that splendid north African plant have reached this country. With the hope that my experience with the plant some ten years ago may save other northern growers from winter losses, I am giving a brief resume here. My books tell me it comes from northern Africa, but it runs in my mind that it is an inhabitant of the Atlas mountains. If that is true the plant should be fairly hardy here, because many plants from that region, including some anacyclus and chrysanthemum species, are safe in our normal winters. But the *linaria* was not. In fact, the only way I could get it to bloom here was to start it early under glass and treat it as we do snapdragons. It would then bloom from August onward, producing its big copper-shaded pale yellow snapdragons with brown lines on 2-foot stems, which are in turn clothed in pretty glaucous leaves. The branching of the flower stem, with six to ten flowers open at a time on each branchlet, makes the plant really showy over a long period. If you operate in the south, it will pay you to investigate this toadflax when it is offered; farther north, it might be profitable to try it.

Baptisia Bracteata.

It is easy to understand why *Baptisia australis*, with its showy racemes of pretty blue flowers and lovely usable foliage, is popular with florists; it is not so easy to understand why *B. bracteata*, which we formerly knew as *B. leucophaea*, has so completely escaped the attention of gardeners at least. It cannot be because it is entirely unknown, as it grows naturally from southwestern Michigan southward to Texas. In view

SURPLUS STOCK

Available for immediate delivery.

BUXUS SUFFRUTICOSA	Each	Each Per 10
500 18 ins. high, B&B.....	\$2.00	\$1.90
1000 20 ins. high, B&B.....	2.40	2.30
750 22 ins. high, B&B.....	3.90	3.80
300 24 ins. high, B&B.....	6.25	6.10
100 26 ins. high, B&B.....	8.90	8.75
	Each per 10	Each per 50
300 8 to 10 ins., Br (Suffruticosa).....	\$0.55	\$0.50
100 15 to 18 ins., Br. (Sempervirens).....	1.25	1.15

All prices F.O.B. nursery.

Other sizes or plants with specified widths priced upon request.

BOXWOOD GARDENS

Box 590

High Point, N. C.

LINING-OUT STOCK

All once transplanted. Grown in beds for 3 years. Can be planted directly in the field.

	Each
500 <i>Chamaecyparis obtusa aurea</i> , 8 to 10 ins.....	\$0.30
500 <i>Chamaecyparis pisifera aurea</i> , 8 to 10 ins.....	.25
1500 <i>Chamaecyparis pisifera filifera</i> , 8 to 10 ins.....	.25
300 <i>Chamaecyparis pisifera plumosa</i> , 8 to 10 ins.....	.22
300 <i>Chamaecyparis pisifera plumosa aurea</i> , 8 to 10 ins.....	.22
1000 <i>Juniperus communis suecica</i> , 6 to 8 ins.....	.25
500 <i>Juniperus horizontalis glauca</i> , 6 to 8 ins.....	.25
1500 <i>Juniperus horizontalis plumosa</i> , 6 to 8 ins.....	.20
5000 <i>Juniperus sabina</i> , 6 to 8 ins.....	.20
1500 <i>Juniperus virginiana kosteri</i> , 6 to 8 ins.....	.27½
2000 <i>Thuja occidentalis columbia</i> , 6 to 8 ins.....	.23½
1000 <i>Thuja occidentalis compacta</i> , 6 to 8 ins.....	.20
1500 <i>Thuja occidentalis douglasii aurea</i> , 6 to 8 ins.....	.20
1000 <i>Thuja occidentalis douglasii pyramidalis</i> , 6 to 8 ins.....	.22½
1000 <i>Thuja occidentalis globosa</i> , 6 to 8 ins.....	.20
500 <i>Thuja occidentalis lutea</i> , 6 to 8 ins.....	.22½
200 <i>Thuja occidentalis pumila</i> , 4 to 6 ins.....	.20
500 <i>Thuja occidentalis pyramidalis</i> , 6 to 8 ins.....	.22½
500 <i>Thuja occidentalis recurva</i> , 4 to 6 ins.....	.20
2000 <i>Thuja occidentalis rosenhalli</i> , 4 to 6 ins.....	.22½
1500 <i>Thuja occidentalis umbraculifera</i> , 6 to 8 ins.....	.20
3000 <i>Thuja occidentalis wareana</i> , 6 to 8 ins.....	.22½
5000 <i>Thuja occidentalis woodwardii</i> , 6 to 8 ins.....	.20
1000 <i>Thuja orientalis bakeri</i> , 8 to 10 ins.....	.30

STEDMAN NURSERIES

Newfane, N. Y.

1887

1946

REFER TO OUR

SURPLUS

FRUIT TREE LIST

in the February 1 issue

FOREST NURSERY CO., INC.

J. R. Boyd, Pres. McMinnville, Tenn.

WE OFFER

a fine assortment of 2-year shrubs twice transplanted.

Write for wholesale circular.

WANTED

150 Cut Leaf Weeping Birch.
6 to 7 ft. or 5 to 6 ft.

Will be pleased to receive your surplus list.

MALONEY BROS. NURSERY CO., INC.
Dana'sville, N. Y.

of the fact that some material I have had proved unequal to this climate, I am led to believe that northern gardeners would have difficulty if their stock came from the southern part of its range.

The plant is rather floppy, no matter whence one's stock comes, the

branches, sometimes as long as thirty inches, seldom growing more than a foot from the ground. Its growth habits fit it either for border or rock garden, and it is in the latter, especially in a southward-facing wall, that it will likely find its greatest usefulness. If given a high place in a

wall, from which its branches can hang, it would make a pleasing picture during June, when it decorates itself in large cream-colored legume flowers in one-sided racemes. It grows readily from seeds planted in autumn or early spring.

Double-flowered German Catchfly.

As spring and the propagating season approaches, I should like to call attention to a most useful plant, the double-flowered German catchfly of gardeners, or *Lychnis viscaria splendens flore-pleno* of botanists. It is unfortunate that it has such an unwieldy name, for most gardeners cannot get around that much Greek and Latin in one mouthful; it is equally unfortunate the flower has to have a color that alienates the affections of many gardeners who would otherwise embrace it with joy. It remains a fact, though, that a near-magenta color is against its general acceptance. It is a willing plant, contenting itself under the most adverse conditions and always giving a good account of its talents when spring comes and it puts on its annual exhibition of pretty double rose-pink (magenta) flowers. In addition to being an excellent border ornament, where the color is acceptable, it is also good for cutting, the flowers being as useful as carnations. If you have not grown it, the only way to ascertain whether your clients will take kindly to the color is to try it out on them. There are always some who can see its good points in spite of a harsh color. It is best propagated from divisions immediately after flowering.

Potted Peonies.

After trying potted peonies for spring sales for two or three years, I am ready to say that the neighborhood grower who does not give them a trial is missing a grand chance to increase his sales. In fact, it is a better idea with peonies than with roses, for the latter can be held back in cold storage with less harm to the plant than can peonies. Roses are more or less of a natural spring item anyway, while peonies, as usually handled, are, or should be, a fall seller. It is true, of course, that many peonies are sold in spring, but that usually means no flowers the first year and that does little to please an impatient gardener.

On the other hand, a 3 to 5-eye division of a healthy peony root potted in early spring and grown along in a coldframe will often reward with some flowers the first year. Potted peonies may be handled in the same way that you have been taking care of roses, extending the

FRUIT TREES

We have the following stock graded and ready for immediate shipment. All stock is offered subject to prior sale. Prices are F.O.B. McMinnville, Tenn., with boxing and packing at cost. If cash accompanies order, no packing charge.

PEACH, June-budded	6 to 12 ins.	12 to 18 ins.	18 to 24 ins.	3 to 4 ft.	3 to 4 ft.
	70 each.	125¢ each.	175¢ each.	30¢ each.	40¢ each.
Elberta	2000	5000	5000	.....	.....
Shippers Late Red	100	400	.....	.....	.....
Champion	200	1000	1000	300	.....
Greensboro	100	250	250	100	.....
Hale Haven	500	1000	1000	250	.....
Golden Jubilee	100	250	250	250	250
Belle of Georgia	200	500	375	400	250
J. H. Hale	200	300	250	300	100
Carman	.....	250	400	.....	.....
Rochester	.....	200	750	250	.....
Heath Cling	.....	75	650	200	.....

PEARS, 1-yr. grafts	6 to 12 ins.	12 to 18 ins.	18 to 24 ins.	2 to 3 ft.
	15¢ each.	20¢ each.	30¢ each.	40¢ each.
Kieffer Only	200	500	250	200

APPLES, 1-yr. grafts	12 to 18 ins.	18 to 24 ins.	2 to 3 ft.	3 to 4 ft.
	8¢ each.	12½¢ each.	20¢ each.	25¢ each.
Stayman Wineap	150	600	1000	200
Turkey Wineap	.....	.....	800	1000
Double Red Delicious	.....	200	1500	1300
Yellow Delicious	.....	275	700	700

APPLES, 3-in-1. Only 300 to offer, 7/16 to 9/16-in. cal., 75¢ each.

APPLES, 2-yr. branched. Supply very limited.

100 Gano, 7/16-in. cal.	Each	200 Red Northern Spy, 11/16-in.	Each
100 Gano, 9/16-in. cal.	\$0.35	100 Red Northern Spy, 4 to 5 ft.	\$0.50
100 Gano, 11/16-in. cal.	.50	(whips)	.35
100 Yellow Transparent, 7/16-in. cal.	.35	250 Red Northern Spy, 6 to 6 ft.	.40
		(whips)	

APRICOTS and PLUMS	6 to 12 ins.	12 to 18 ins.	18 to 24 ins.	2 to 3 ft.	3 to 4 ft.
	15¢ each.	20¢ each.	25¢ each.	40¢ each.	50¢ each.
June budded	.....	.....	.....	.....	.....
Moorpark Apricot	500	500	.....	.....	.....
Superb Apricot	200	500	100	.....	.....
Early Golden Apricot	200	500	200	.....	.....
Purple Leaf Plum	100	200	100	.....	.....
Bruce Plum	300	300	300	.....	.....
Burbank Plum	250	300	200	.....	.....
Abundance Plum	300	200	350	75	.....
Satsuma Plum	75	125	150	150	35
Red June Plum	250	150	75	75	100
Kelsey Plum	100	200	50	50	25
Wickson Plum	75	100	125	100	.....
Shropshire Damson	300	300	200	100	.....
Gold Plum	70	30	50	.....	.....

Two colors in one bloom, the new sensation, two-tone Peach called PEP-PERMINT FLOWERING PEACH.

200 12 to 18 ins.	Each	500 White-fl. Peach, 18 to 24 ins.	Each
400 18 to 24 ins.	\$0.20	500 White-fl. Peach, 2 to 3 ft.	\$0.25
200 2 to 3 ft.	.40	200 White-fl. Peach, 3 to 4 ft.	.35
100 3 to 4 ft.	.50		
500 Nectarine, 18 to 24 ins.	.20		
750 Nectarine, 2 to 3 ft.	.30		
750 Nectarine, 3 to 4 ft.	.40		

25,000 So. Privet sdgls., 3 to 6 ins.	Per 1000
25,000 So. Privet sdgls., 6 to 12 ins.	\$ 4.00
25,000 So. Privet sdgls., 12 to 18 ins.	6.00
25,000 So. Privet sdgls., 12 to 18 ins.	10.00

BOYD NURSERY CO.,

McMinnville, Tenn.

SURPLUS LIST

Spring, 1946

HICKS MULBERRY

6 to 8 ft.	Each
FIG	\$0.35

Varieties: Brown Turkey, Celestial and Magnolia.	
6 to 12 ins.	.10
12 to 18 ins.	.15
18 to 24 ins.	.18
3 to 5 ft.	.22

NATIVE SEEDLING PECAN

18 to 24 ins.	.25
3 to 5 ft.	.40
3 to 4 ft.	.50
4 to 5 ft.	.75

BAKER'S ARBORVITAE

2 to 3 ft., B.&B.	.75
3 to 4 ft., B.&B.	1.00
4 to 5 ft., B.&B.	1.25

SPECIAL!

CRAPE MYRTLE

Pink or Lavender.	
18 to 24 ins.	.15
3 to 4 ft., B.&B.	.30

MUSCADINE GRAPEVINES

Varieties: Scuppernon, James and Thomas.	
No. 1, Heavy	.28
No. 2, Medium	.22

GRAPEVINES

Carman and Concord.	
No. 1	.10
No. 2	.08

CHERRY LAUREL

2 to 3 ft., Br.	.65
3 to 4 ft., Br.	.75
4 to 5 ft., Br.	1.00

IRISH JUNIPER

18 to 24 ins., B.&B.	.55
2 to 3 ft., B.&B.	.65
3 to 4 ft., B.&B.	.90

NORWAY SPRUCE

12 to 18 ins., B.&B.	.25
18 to 24 ins., B.&B.	.75
3 to 3 ft., B.&B.	1.00

SAVIN JUNIPER

18 to 24 ins., B.&B.	.75
3 to 3 ft., B.&B.	.75

ANDORRA JUNIPER

18 to 24 ins., B.&B.	.65
3 to 3 ft., B.&B.	.75

ABELIA GRANDIFLORA, BR.

18 to 24 ins.	.10
3 to 3 ft.	.15
3 to 4 ft.	.20

ABELIA CUTTINGS

7½ ins. per 1000.	4.50
-------------------	------

ROSE BUDDING UNDERSTOCK

(Not de-eyed.)	
7½ ins. per 1000.	7.50

EMPIRE NURSERY & ORCHARD

Baileytown, Ala.

safe selling season of peonies as it does the latter.

Wild Ginger.

It is well to remember, when deciding about adding new items to your list for local sales, that gardeners have been growing into a better appreciation of foliage as a garden ornament during the past decade. Ten or fifteen years ago the cry, as it is today in many cases, was for color and more color. Now you will notice that many are looking for foliage effects, and that is a good sign for better gardening and a wider range of plant material. It might mean that you could handle wild ginger.

However, there seems to be a feeling among gardeners that the plant needs near-bog conditions to do well. Actually, it will do well in almost any shady spot in a soil rich in leaf mold. I have, to test the matter, transplanted specimens from an always-wet cedar swamp to my dry garden and found that they only needed a little nursing to become established.

Where a tropical-looking ground cover for densely shaded places is wanted, it would be hard to find a better subject than wild ginger. It is a stemless plant, growing from a creeping rootstock, with large fleshy kidney-shaped leaves and brownish-purple flowers borne under the leaves. Even though the flowers are hidden from all except the curious, the leaves have so much decorative value in shade that the plant will appeal to gardeners who must cope with those difficult situations. It may be endlessly multiplied by division of the rootstocks, preferably in spring.

COLORADO QUARANTINE.

Determining that the Oriental fruit moth, which formerly was not present in Colorado, has been found in all portions of the state, except the protected areas of Delta, Fremont, Garfield, Larimer, Mesa, Montezuma and Montrose counties, and is widespread in thirty-seven states, the District of Columbia and Ontario, Can., F. Herbert Gates, Colorado state entomologist, has issued quarantine order E, effective January 1, against the Oriental fruit moth.

Plants affected are all varieties and species, including the flowering forms, of peach, nectarine, almond, apricot, plum, cherry, chokeberry, quince, pear, apple and hawthorn. No plants, nor parts of plants, including their fruits, nor containers used to carry these fruits, grown in or shipped or brought from the infested territories, and no other possible car-

riers of the insect, may be permitted to pass over the quarantine lines, with the following exceptions:

Budwood scions of the affected plants, grown in or shipped from the infested areas, may be admitted into the protected territories in limited quantities only during the dormant

AUCTION SALE NURSERY STOCK

Louisville, Kentucky

Monday, March 11, 1946, 10 a.m.

Having decided to discontinue the nursery business, we are going to sell our entire stock of Evergreens and Shrubs at auction. This is one of the best nurseries in Kentucky and the stock is in good healthy condition.

See the **March 1** issue of the American Nurseryman for further details.

WAKEFIELD NURSERY

Route 6

Louisville, Ky.

THE NORTHWEST NURSERY COMPANY

E. C. Hilborn, President

offers

A few new **Rosy Bloom Crab Apples** from the Dominion Station, at Morden.

also

Raspberries—Write for prices.

LATHAM — CHIEF — RUDDY

(Ruddy developed by Dr. Yeager)

THE NORTHWEST NURSERY CO.

Valley City, North Dakota

NOVELTY PERENNIAL and ROCK GARDEN PLANTS

Wholesale Trade List now ready.

Send for your copy.

CARROLL GARDENS Westminster, Md.

NORTHERN COLLECTED EVERGREENS

FERNS

PLANTS

SHRUBS

WILLIAM CROSBY HORSFORD

Charlotte, Vermont

"A friendly, efficient sales service"

E. D. ROBINSON

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Bristol Nurseries, Inc.

Barnes Brothers Nursery Co., Inc.

North-Eastern Forestry Co., Inc.

A. N. Pierson, Inc.

A complete line of well grown hardy plant material

Evergreens and Lining-out Stock

Mention The American Nurseryman when you write.

Ornamental Trees, Shrubs and Evergreens

Write For Our Wholesale Trade List

W.-T. Smith Corporation

Telephone 2689

GENEVA, N. Y.

period from November 1 to April 1, provided a permit is obtained from the state bureau of entomology which

ORNAMENTAL STOCK

	Each
Acer Atropurpureum Nigrum, 1½ to 2 ft.	\$1.25
Acer Atropurpureum Nigrum, 2 to 2½ ft.	1.87½
Cornus Florida Rubra	1.40
Cydonia, Orange-Red, 15 to 18 ins.	.27
Fagus Riveral (River's Purple Beech), 2 to 3 ft.	1.45
Fagus Purple Weeping	1.45
Fagus Purple Spaethi (new), 2 to 3 ft.	1.75
Keria Japonica Floreplena, 18 to 24 ins.	.35
Laburnum Vossii (heavy), 2 to 3 ft.	.75
Magnolia, young stock from layers	
Magnolia Soulangeana, 18 to 24 ins.	1.10
Magnolia Lennel (dark), 18 to 24 ins.	1.25
Magnolia Alexandrina, 18 to 24 ins.	1.10
Magnolia Stellata, 18 to 24 ins.	1.10
Philadelphus Virginialis, 18 to 24 ins.	.30
Prunus Serrulata (Flowering Cherry), 2 to 3 ft.	1.25
Rhododendron Hybrids, 5 good varieties	
Rhododendron Hybrid, 10 to 15 ins.	.95
Rhododendron Hybrid (in bud), 15 to 18 ins.	1.87½
Roses, Polyantha, No. 1	.45
Roses, Climbing, No. 1	.50
Dorothy Perkins, Excelsa and Paul's Scarlet	
Syringa (Lilac) Hybrids, 2-yr. grafts	.45
Viburnum Rhytidophyllum, 18 to 24 ins.	1.10

This stock is bare root, packed in peat and moss or with peat balls. Prices are F.O.B. Hoboken, N. J., for shipment spring 1946. Not less than 10 of any item sold; preferably 25 or more. One cannot tell these days how long anyone will have anything; so orders will be accepted subject to prior sale. To facilitate matters, terms are one-half cash with order, balance C.O.D., or 30 days to folks with established credit. I may have other stock; let me know what you want.

My prices include freight, duty and custom brokerage. Also arranging import permit, clearing through plant quarantine bureau and forwarding.

ARTHUR DUMMET

63 Anderson Rd.,

Bernardsville, N. J.



Evergreens Barberry Privet

Write for wholesale price list.

GARDNER'S NURSERIES

Rocky Hill, Conn.

HEMLOCKS

KALMIA, RHODODENDRON, AZALEA

CURTIS NURSERIES

CALICOON NEW YORK

BURR

Leading wholesale source for Nursery Stock.

Send us your Want List.

C. R. BURR & CO., INC.
Manchester, Conn.

EVERGREEN LINERS

Many species and varieties of seedlings and transplants for spring planting.

Write for price list.

SUNCREST EVERGREEN NURSERIES
Johnstown, Pa.

specifies the amounts and conditions of shipment.

Bare-root plants of the same varieties and species may be admitted only during the dormant period from November 1 to June 1, provided all have been fumigated with methyl bromide according to specification.

Fresh fruits from the listed plants may be permitted only if subjected to specified atmospheric fumigation treatment between May 1 and October 31. All containers carrying these fruits must also undergo the atmospheric fumigation treatment. Trucks, refrigerator cars and other vehicles entering the protected areas must be found free of contamination or be subjected to phyto-sanitary treatment. Fresh fruits and used containers must bear an inspection tag from the state of origin, with a duplicate filed with the Colorado bureau of entomology.

ST. LOUIS LANDSCAPE ASSOCIATION MEETS.

The Landscape and Nurserymen's Association of Greater St. Louis met January 14 at the American Legion hall, St. Louis, Mo.

Corbin Goff, deputy state entomologist, reported briefly on the Japanese beetle control work and the elm disease, phloem necrosis. J. Carl Dawson, former Missouri state entomologist and more recently with the Dow Chemical Co., stated that he soon will open his own business at St. Louis, doing fumigation work, principally with foodstuffs. Mr. Dawson promised to speak at the February meeting on some of the newer chemicals used in the industry.

Eugene Waldbart, of the Waldbart & Sons Nursery, was reported to be recovering from a minor operation.

George Weber and Bill Raup were present as guests and made applications for membership.

SALE OF UPTON GARDENS.

As noted briefly in an earlier issue, Mrs. G. R. Marriage sold Upton Gardens, Colorado Springs, Colo., January 1 to George A. Vradenburg, Jr. Mrs. Marriage, founder of the gardens and a well known authority on alpine plants, will now devote most of her time to her hobby of collecting and growing "Rocky mountain rarities." She plans to continue the sale of these rarities through the facilities of Upton Gardens.

Since there still is a shortage of landscape architects, Mrs. Marriage has agreed to handle the landscape

BOHLENDER'S Quality Lining-Out Stock

NOTE: Sdlig. is abbreviation for seedling. Ctg. for hardwood field-grown cuttings. l.o. for lining out.

BUDDLEIA Butterfly Bush	
Buddleia for late April and May delivery from 2-inch pots. Grows 3 ft. tall; blooms first summer.	
Charming, New Pink. Per 100	
2-in. pots, 6 to 10 ins., l.o. \$17.50	
Daybreak	
Giant-flowering Lavender.	
2-in. pots, 6 to 10 ins., l.o. 20.00	
Dubonnet , Claret Red.	
2-in. pots, 6 to 10 ins., l.o. 13.00	
Flaming Velvet	
Rich Reddish Velvet.	
2-in. pots, 6 to 10 ins., l.o. 25.00	
Ile de France	
Reddish Lavender.	
2-in. pots, 6 to 10 ins., l.o. 13.00	
Magnifica , Deep Violet (free flowering).	
2-in. pots, 6 to 10 ins., l.o. 12.50	
Royal Red , Red Buddleia.	
2-in. pots, 6 to 10 ins., l.o. 30.00	
White Beauty	
Hardy Snow White.	
2-in. pots, 6 to 10 ins., l.o. 30.00	

We grow over 300 varieties of the new and best Hardy Chrysanthemums. WRITE FOR PRICE LIST. Visit our nurseries this fall and see acres of Chrysanthemums in bloom.

Abelia Grandiflora (Glossy Abelia)	Per 100
Calycanthus Floridus (Sweetshrub)	
See ad. Feb. 1 issue.	
Cercis Canadensis (Am. Redbud)	
6 to 12 ins., 2-yr. sdlig. l.o. \$ 3.50	
12 to 18 ins., 2-yr. sdlig. l.o. 5.00	
Cornus Alternifolia (Pagoda Dogwood)	
9 to 12 ins., 2-yr. sdlig. l.o. 4.00	
12 to 18 ins., 2-yr. sdlig. l.o. 5.00	
18 to 24 ins., 2-yr. sdlig. l.o. 7.50	
Cornus Amomum (Silky Dogwood)	
9 to 12 ins., 3-yr. sdlig. l.o. 3.50	
12 to 18 ins., 3-yr. sdlig. l.o. 4.25	
18 to 24 ins., 3-yr. sdlig. l.o. 5.50	
Cornus Sanguinea (Blood Twig Dogwood)	
9 to 12 ins., 2-yr. sdlig. l.o. 4.25	
12 to 18 ins., 2-yr. sdlig. l.o. 5.00	
18 to 24 ins., 2-yr. sdlig. l.o. 6.50	
Cydonia Japonica (Red-flowering Quince)	
6 to 9 ins., 2-yr. sdlig. l.o. 3.00	
9 to 12 ins., 2-yr. sdlig. l.o. 4.00	
12 to 18 ins., 2-yr. sdlig. l.o. 5.00	
Deutzia Scabra (Pride of Rochester)	
Forsythia Spectabilis	
See ad. Feb. 1 issue.	
Philadelphus Coronarius (Sweet M.O.)	
6 to 12 ins., etc., l.o. 3.75	
12 to 18 ins., etc., l.o. 4.50	
18 to 24 ins., etc., l.o. 5.50	
Physocarpus Monogynus (Dwarf Ninebark)	
6 to 12 ins., etc., heavy br. 6.00	
12 to 18 ins., etc., heavy br. 9.00	
Physocarpus Opulifolius (Aureus) (Golden Ninebark)	
12 to 18 ins., etc., l.o. 5.00	
Spiraea Billardii (Alba) (white)	
6 to 12 ins., etc., l.o. 4.00	
12 to 18 ins., etc., l.o. 5.00	
Spiraea Trichocarpa (Korean S.)	
6 to 12 ins., etc., l.o. 6.00	
12 to 18 ins., etc., l.o. 7.50	
Weigela Bronze or Purple Leaf (Pink Flowers, Dwarf Plants)	
6 to 12 ins., 1-yr. H.C., l.o. 7.50	
12 to 18 ins., 1-yr. H.C., l.o. 9.00	
Weigela Candida	
See ad. Feb. 1 issue.	

PRIVET (Ligustrum)

Amur River North Privet Per 100	
12 to 18 ins., etc., l.o. \$4.00	
12 to 18 ins., etc., 2 br. 6.00	
California Privet	
6 to 12 ins., etc., l.o. 2.75	
12 to 18 ins., etc., l.o. 3.50	
9 to 12 ins., etc., 2 br. 4.25	
12 to 18 ins., etc., 2 br. 4.75	
18 to 24 ins., etc., 2 br. 6.00	
Ibottum Privet	
6 to 12 ins., etc., l.o. 3.75	
12 to 18 ins., etc., l.o. 4.25	
12 to 18 ins., etc., 2 br. 7.50	
18 to 24 ins., etc., 2 br. 9.00	

BOHLENDER'S NURSERY

Box 48, Tipp City, Ohio
TOM and HOWARD KYLE, Mgrs.

architecture department until such time as this position can be filled.

Established in 1913 as a local perennial garden, Uptown Gardens were gradually built up to the present all-around nursery, furnishing everything needed for a complete garden. Mr. Vradenburg, who is the son-in-law of R. P. White, A. A. N. executive secretary, and recently returned from service, hopes to continue the excellent reputation by Mrs. Marriage and to continue the growth of Upton Gardens to serve the needs of the community.

ST. LOUIS GARDENERS MEET.

The Greater St. Louis Association of Gardeners met January 8 at the Shaw park clubhouse, Clayton, Mo.

The following officers were installed for the coming year: President, William F. Rebbe; vice-president, Charles Roth, secretary, Daniel Coad; treasurer, William F. Ott; sergeant at arms, John Luscher. William Schneider served as installing officer.

F. L. Dinsmore, entertainment committee chairman, reported that all arrangements for the annual tacky party, February 9 at the American Legion hall, were completed. Refreshments were served by F. L. Dinsmore and Edgar Mueller.

LOUISVILLE ELECTION.

The Louisville Retail Nurserymen's Association met at Bauer's quarters, Louisville, Ky., January 9. The annual election of officers was held, with the following results: President, Carl Ray; vice-president, B. C. Deibel; secretary-treasurer, Mrs. Grace G. Walker.

MRS. WILMA GUNTER BOX.

Noted in the preceding issue, the marriage of Miss Wilma Gunter, of the Griffing Nurseries, Beaumont, Tex., to James Edward Box, also of Beaumont, took place January 7, according to announcement received.

Immediately following the ceremony, the couple left by train for Chicago and De Kalb, Ill., for a two weeks' stay, attending the meeting of the American Association of Nurserymen. On their return to Beaumont, they took up residence at the Edson hotel.

The bride is the daughter of Mr. and Mrs. E. J. Gunter, of Kirbyville, Tex. She has been associated with the Griffing Nurseries since 1926, now acting as office manager. Mrs. Box has regularly attended state and national nurserymen's conventions.

AN APPRECIATION

We are about sold out on our 1945 crop of June-bud Peach, and we wish to extend our appreciation to the Trade for its fine acceptance of our initial offerings.

We are now looking forward to the 1946 crop with optimism. Most stocks will be exhausted before the current shipping season ends, and we will enter the coming market with another shortage.

We have planted heavily in Peach and expect to graft 100,000 Pear, and we welcome inquiries as to our Grow Contracts for the 1946-47 season.

FARMERS WHOLESALE NURSERY

Paul Patterson, owner

P.O. Box 65

Smithville, Tenn.

ACER PLATANOIDES NORWAY MAPLES

	Per 100
2 to 3 ft., trans.....	\$ 9.00
3 to 4 ft., trans.....	12.00
4 to 5 ft., trans.....	45.00
6 to 8 ft., trans.....	100.00
8 to 10 ft., trans.....	150.00
10 to 12 ft., trans.....	200.00
12 to 14 ft., trans.....	250.00
14 to 16 ft., trans.....	300.00
16 to 18 ft., trans.....	350.00
18 to 20 ft., trans.....	400.00
20 to 22 ft., trans.....	450.00
22 to 24 ft., trans.....	500.00
24 to 26 ft., trans.....	550.00
26 to 28 ft., trans.....	600.00
28 to 30 ft., trans.....	650.00
30 to 32 ft., trans.....	700.00
32 to 34 ft., trans.....	750.00
34 to 36 ft., trans.....	800.00
36 to 38 ft., trans.....	850.00
38 to 40 ft., trans.....	900.00
40 to 42 ft., trans.....	950.00
42 to 44 ft., trans.....	1000.00
44 to 46 ft., trans.....	1050.00
46 to 48 ft., trans.....	1100.00
48 to 50 ft., trans.....	1150.00
50 to 52 ft., trans.....	1200.00
52 to 54 ft., trans.....	1250.00
54 to 56 ft., trans.....	1300.00
56 to 58 ft., trans.....	1350.00
58 to 60 ft., trans.....	1400.00
60 to 62 ft., trans.....	1450.00
62 to 64 ft., trans.....	1500.00
64 to 66 ft., trans.....	1550.00
66 to 68 ft., trans.....	1600.00
68 to 70 ft., trans.....	1650.00
70 to 72 ft., trans.....	1700.00
72 to 74 ft., trans.....	1750.00
74 to 76 ft., trans.....	1800.00
76 to 78 ft., trans.....	1850.00
78 to 80 ft., trans.....	1900.00
80 to 82 ft., trans.....	1950.00
82 to 84 ft., trans.....	2000.00
84 to 86 ft., trans.....	2050.00
86 to 88 ft., trans.....	2100.00
88 to 90 ft., trans.....	2150.00
90 to 92 ft., trans.....	2200.00
92 to 94 ft., trans.....	2250.00
94 to 96 ft., trans.....	2300.00
96 to 98 ft., trans.....	2350.00
98 to 100 ft., trans.....	2400.00

Free baling with cash with order. 25 per cent cash with order, balance before shipment. All trees are Jap Beetle Quarantine Inspected.

STATE ROAD NURSERY
State and Spruce Rds., R. 1 Media, Pa.

HARDY NATIVE EVERGREENS

Collected Stock
Canadian Hemlock, American
Arboretum, Balsam Fir

	Per 1000
3 to 6 ins.....	\$ 8.00
6 to 9 ins.....	12.00
9 to 12 ins.....	25.00
12 to 18 ins.....	35.00

Cash please.

R. M. COLE

Box 37

Charlotte, Vt.

1000 SWISS STONE PINE

24 to 36 ins. 30 to 36 ins.
A very select lot, deep green, high-crowned type. Truckloads only. May 1 quote.

W. A. BENTS NURSERIES
Cresco, Iowa.

Shade Trees

**ELMS • MAPLES • OAKS
LINDENS • POPLARS**

ALSO
Flowering CRABS

DOGWOOD • THORNS

Write for particulars

Jackson & Perkins Co.
NEWARK, NEW YORK

KOSTER NURSERY

Division of Seabrook Farms

Wholesale Nurserymen

BRIDGETON, N. J.

Write for wholesale price list of lining-out and specimen stock in better evergreens and shrubs.

We wish to purchase...

Evergreens, Fruit Trees, Shrubs, etc.

Send your surplus list to

THE PONTIAC NURSERY CO., Romeo, Mich.

Lining-Out Stock

Liners from Field Beds	Per 100	Per 1000
Taxus capitata, 6-yr. sdlig.	\$40.00	\$400.00
XX, 5 to 8 ins.		
Canadian Hemlock, 4-yr., XX,	18.00	170.00
6 to 9 ins.		
Daphne Mezereum, 4-yr., XX,	10.00	90.00
6 to 8 ins.		
Viburnum Opulus Nanum,	35.00	325.00
3-yr., XX, 6 to 9 ins.		
Regel Privet, 2-yr., X, 12 to	5.50	50.00
15 ins.		
Euonymus americanus, 2-yr.,	8.00	
4 to 8 ins.		
Euonymus coloratus, 2-yr., X,	12.00	
8 to 12 ins.		
Euonymus fortunei, 2-yr.,	12.00	
9 to 12 ins.		
Euonymus fortunei, 3-yr., XX,	16.00	
12 to 18 ins.		
Concolor Fir, 5-yr., XX, 12 to	50.00	
15 ins.		
Norway Spruce, 6-yr., XX, 12	50.00	
to 18 ins.		
Norway Spruce, 5-yr., XX, 18	65.00	
to 24 ins.	3.00	25.00
Chinese Elm, 3 to 6 ins.		
American Elm, 2-yr., X, 2 to	8.00	75.00
3 ft.		
Amur River North Privet,	4.00	35.00
1-yr., 4 to 8 ins.		
Pachysandra terminalis, 2-yr.	6.00	50.00

Liners, Rooted Cuttings and Seedlings.		
Hyb. Rhododendron, 1-yr., X	14.00	130.00
Azalea mollis, 1-yr., X	10.00	90.00
Pieris floribunda, 1-yr., X	14.00	130.00
Taxus cusp. capitata, R.C.	12.00	110.00
Taxus cuspidata (sp.), R.C.	10.00	90.00
Taxus brevifolia, R.C.	10.00	90.00
Taxus hicksii, R.C.	10.00	90.00
Juniperus hor. glauca, R.C.	10.00	90.00
Irish Juniper, R.C.	9.00	80.00
stricta Juniper, R.C.	9.00	80.00
Andorra Juniper, R.C.	9.00	80.00
Pfitzer Juniper, R.C.	10.00	90.00
Pfitzer J. heizi, R.C.	12.00	110.00
Ilex glabra, R.C.	10.00	90.00
Ilex bullata, R.C.	10.00	90.00
Euonymus patens (klauscho-		
vicus), R.C.	9.00	80.00
Euonymus vegetus, R.C.	9.00	80.00
Euonymus fortunei, R.C.	8.00	70.00
Euonymus carrierei, R.C.	9.00	80.00
Euonymus coloratus, R.C.	8.00	70.00

Terms: Cash with order; no C.O.D. April and May delivery. 300 plants of a kind at 1000 rate, 50 at 100 rate less than 50, add 10 per cent to 1000 rate. Packing and boxing at cost to us, additional. Jap. beetle certified.

PALLACK BROS. NURSERIES, INC.

RFD 1, Harmony, Pa.
(35 mi. no. of Pittsburgh, R. 19.)

We Offer—

EVERGREENS—In a large assortment of PYRAMIDAL and GLOBE ARBORVITAE, PFITZER JUNIPER and YEW in grades at attractive prices. **SOME LARGE SPECIMEN EVERGREENS.** SHRUBBERY and SHADE TREES.

Mail want list for prices.

THE WESTMINSTER NURSERIES
Westminster, Md.

CLEARING OUT OLD BLOCKS?

We buy
in 12-ft. lengths
Chestnut, Beech.
What have you?

VARSITY LANDSCAPE SERVICE
La Fayette, Ind.

PRIVET and BERBERIS

Splendid Stock

Write for Special Quotations

LESTER C. LOVETT
MILFORD DELAWARE

She is publicity director of the Texas Association of Nurserymen and serving on the A. A. N. membership committee for Texas.

Mr. Box is a lifetime resident of Beaumont, having been engaged in construction work prior to his service in the army. He spent forty-two months in service and returned in October after thirty-seven months overseas. He was a sergeant in the quartermaster corps, stationed in Hawaii during this time.

Mr. Box recently joined the staff of the Griffing Nurseries, and Mrs. Box will continue to be associated with the firm.

FIRMS AT FARIBAULT.

In a recent issue of the Minneapolis Star Journal the column "Northwest Passage," written by George L. Peterson, was devoted to extended comments on the nursery firms at Faribault, Minn. In chatty vein he talked about the peonies at the 100-acre Brand Peony Farms, founded seventy-seven years ago by the father of the present owner, A. M. Brand, who has introduced and sold many fine varieties of peonies.

He said that more raspberries were growing at the 1,200-acre nursery of the Andrews Nursery Co. than in any other in the country. This firm was founded in 1872 by John P. Andrews, whose two sons, C. H. and R. H. Andrews, and two grandsons, Kimball and John D. Andrews, are carrying on the business. Seven tons of honey were collected last fall, from nearly 200 colonies of bees kept to pollinate fruits. Apples are grown on 100 acres at the Andrews' farm.

On the other side of town, Edgar Lehman grows the hardy chrysanthemums that have become popular recently.

The Farmer Seed & Nursery Co., which sells garden and farm seeds throughout the northwest, was started at Chicago in 1888 and moved to Faribault five years later. It early specialized in pasture and hay seeds, and President E. J. Kiekenapp notes that the swing is again to grass.

HAVING been making lamps and weather vanes on a small scale for several years, Markham's Ohio Nursery, Elyria, O., recently purchased a complete sheet metal shop and engaged an experienced man to operate it, and will offer a selection of custom-made ornamental iron and copper items for landscape, architectural and flower shop use.

LINING-OUT STOCK

Northern-grown Seedlings and Transplant Stock Grown from Certified Seeds.

WE GROW 14,000,000 TREES PER YEAR.

SCOTCH PINE

	Per 100	Per 1000
3-yr. Sdlig. (3-0), 8 to 16 ins.	\$15.00	.....
3-yr. Trans. (2-1), 5 to 10 ins.	20.00	.....

WHITE PINE

2-yr. Sdlig. (2-0), 2 to 4 ins.	3.60	\$ 18.00
3-yr. Sdlig. (3-0), 4 to 8 ins.	5.00	25.00

(Well branched)

BANKS PINE

2-yr. Sdlig. (2-0), 3 to 7 ins.	3.00	15.00
3-yr. Sdlig. (3-0), 10 to 18 ins.	4.00	20.00

SPECIAL AMERICAN RED PINE

3 or 4-yr. stock recommended.		
2-yr. Sdlig. (2-0), 2 to 4 ins.	3.00	.....
3-yr. Sdlig. (3-0), 5 to 10 ins.	5.00	25.00
4-yr. Trans. (2-2), 5 to 10 ins.	10.00	50.00

NORWAY SPRUCE

2-yr. Sdlig. (2-0), 2 to 5 ins.	4.00	20.00
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Extra-fine stock.

WHITE SPRUCE

2-yr. Sdlig. (2-0), 2 to 5 ins.	2.00	10.00
6-yr. Trans. (3-3), 6 to 12 ins.	15.00

BLACK HILLS SPRUCE

3-yr. Sdlig. (3-0), 1 to 3 ins.	3.00	15.00
4-yr. Sdlig. (4-0), 3 to 6 ins.	4.00	20.00

COLORADO BLUE SPRUCE

3-yr. stock recommended.		
2-yr. Sdlig. (2-0), 2 to 3 ins.	2.40	12.00
3-yr. Sdlig. (3-0), 2 to 6 ins.	4.00	20.00

BALSAM FIR

5-yr. Trans. (3-2), 4 to 8 ins.	15.00
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CANADIAN HEMLOCK

6-yr. Trans. (4-2), 6 to 15 ins.	15.00	100.00
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UPRIGHT and SPREADING YEW

This item only may be ordered in lots of 10 at 100 rate.

6-yr. Trans. (4-2), 6 to 12 ins.	50.00
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AMERICAN ARBORVITAE

2-yr. Sdlig. (2-0), 2 to 3 ins.	3.00	15.00
3-yr. Sdlig. (3-0), 3 to 6 ins.	5.00	25.00
4-yr. Trans. (2-2), 4 to 6 ins.	10.00	.....

BARBERRY

2-yr. Sdlig. (2-0), 4 to 8 ins.	5.00	.....
3-yr. Sdlig. (3-0), 8 to 16 ins.	8.00	.....

Write today for Complete Stock List and Christmas Tree Growers Booklet.

MUSSER FORESTS, INC.
INDIANA, PA.

Connecticut Meeting

The thirty-ninth annual meeting of the Connecticut Nurserymen's Association, held at the Waverly Inn, Cheshire, January 30, attracted an attendance of seventy-three members and guests in spite of the stormy weather.

President Arthur Webster introduced the A. A. N. executive secretary, R. P. White, and the president, Arthur H. Hill, and W. J. Smart, their "transportation manager."

President Webster delivered a fine report of the past year's work and offered recommendations for the future. One of the most important recommendations was that the executive committee hold at least four scheduled meetings per year for the transaction of business.

He reported that a request was presented from the Connecticut state highway landscape department to meet with a committee of the association to discuss planting plans for the future and the sources of available material from nurseries in the state.

Requests were presented for a committee from the association to meet with members of the University of Connecticut faculty to discuss possibilities of training and educational courses of interest to the nursery trade.

He said it can be assumed that a foundation has been established for a clearer understanding of research on nursery problems at the experimental station at New Haven, which has always been most cordial to the nursery interests, but over the past years was favored with only a small appeal for assistance on nursery programs.

He predicted closer relationship will be maintained between the nursery industry and the Connecticut state highway landscape department, with which is associated a nurseryman of long standing, Russell Barnes.

The report of the experimental station cooperating committee was given by Alex Cumming, who stated that several projects are in process and that results will be announced later. His report recommended a rotating committee so that the good work started could be kept up.

E. D. Robinson, of the membership committee, reported seven applications for membership and two for change from junior to firm membership.

A. H. Hill was called upon for a talk and gave the high lights and

amusing incidents of his trips about the country attending state and regional meetings. He dwelt on the advantages of membership in the A. A. N.

After luncheon, entertainment and group singing, with Warren Richards acting as M.C. in his usual capable manner, Richard P. White gave the group a good word picture of what is going on at Washington, D. C., and in the country in relation to the nursery industry. One of the most interesting points he mentioned was the fact that a program of plant breeding is being developed that will be devoted entirely to ornamental shrubs.

The report of the special committee on college relations was presented by Erwin Whitham and discussed at length and in detail. He brought out the fact that the University of Connecticut is willing to cooperate with the nurserymen and establish a short course of training of men in the methods of nursery work. It was voted to offer an annual award of \$75 to the student of the proposed course having the highest standing and \$25 to the second highest.

The nominating committee recommended reelection of officers as follows: President, Arthur Webster; vice-president, Erwin Whitham; secretary and treasurer, Arthur Bird.

A. C. Bird, Sec'y.

NORTH JERSEY MEETING.

The North Jersey Metropolitan Nurserymen's Association has launched its activities with old-time vigor. A series of educational talks has been well attended. Dr. J. S. Joffe, chemist in soil research at the state college of agriculture, New Brunswick, was the first lecturer.

Dr. Joffe's proposal that most subsoil containing practically no organic matter could be conditioned to grow vegetation (in this case he referred principally to turf) without use of topsoil, except a slight sprinkling of muck or humus for seed start, was certainly a break from the past.

As a soil conditioner he recommended the following formula: For one acre of heavy soil mix 2,000 pounds of dolomitic limestone (at least fifteen per cent magnesium), 500 pounds of gypsum (land plaster), 100 pounds of Epsom salts, fifty pounds of manganese sulphate, 1,000 pounds of twenty per cent acid phosphate, ten pounds of copper sulphate and

EVERGREENS

	Each
Irish Juniper, 2 to 2½ ft.	\$1.25
Irish Juniper, 1½ to 2 ft.	1.00
Savin Juniper, 2 to 2½ ft.	1.25
Savin Juniper, 1½ to 2 ft.	1.00
Globe Arborvitae, 12 to 15 ins.	1.25
Globe Arborvitae, 8 to 12 ins.	1.00
Pyramidal Arborvitae, 2 to 2½ ft.	1.25
Pyramidal Arborvitae, 1½ to 2 ft.	1.00
Mugho Pine, 8 to 12 ins.	1.00
Canadian Hemlock, 2 to 2½ ft.	1.25
Canadian Hemlock, 1½ to 2 ft.	1.00
Taxus Capitata, 12 to 18 ins.	1.25
Taxus Cuspidata, 12 to 18 ins.	1.25
Taxus Media Hatfieldi, 12 to 18 ins.	1.25
Taxus Media Hicksi, 12 to 18 ins.	1.25
Taxus Media Browni, 12 to 18 ins.	1.25

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BOTH NATIVE
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Visitors always welcome.

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timely finished product sav-
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ORNAMENTAL TREES, SHRUBS
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Ornamental Evergreens,
Deciduous Trees,
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HEADQUARTERS FOR
**EVERGREEN GRAFTS, TRANSPLANTED
EVERGREENS, SHRUB LINERS.**
Write!
RARE ITEMS YOU DO NOT
FIND IN MOST LISTS!
HILLTOP NURSERIES
ASTOWN, OHIO

ten pounds of 20 Mule Team borax (five pounds for light soils). Three-quarters of the mixture is to be plowed in the soil and the remaining one-quarter spread on the surface. Whatever fertilizer is needed is to be added.

"Newer Insecticides and Their Comparative Effects on Various Plant Pests" was discussed by Dr. C. C. Hamilton, entomologist at the college of agriculture. At the group's second meeting, chloropicrin, DDT, sabadilla, Fermate, 2.4D and other chemicals and insect killers were discussed.

Dr. Hamilton has been working on a book to help the layman discover what insect or spider or other crawly thing it is that damages his plants. Dr. Hamilton's is a new approach in that one does not have to catch the bug first to identify it. His method is to name the plant attacked and from the type of injury find the malefactor according to a key. The description and life history follow and, of course, the remedial measures.

At the next regular meeting of the North Jersey group, February 21, "New Improved Methods in the Certification of Plant Material under Japanese Beetle Quarantine Regulations" and other matters of interest to nurserymen will be discussed by George C. White, of Bobbink & Atkins, Inc. William Flanelle, Sec'y.

WISTER NAMED DIRECTOR OF PAINTER ARBORETUM.

John C. Wister, secretary of the Pennsylvania Horticultural Society and director of the Hoyt Scott Horticultural Foundation, at Swarthmore College, was recently appointed director of the John J. Tyler (Painter) Arboretum, at Lima, Pa.

More than a century ago two Quaker brothers named Painter, amateur scientists and nature lovers, established a garden and kept records of plant, bird and insect life, as well as of other natural phenomena, from 1825 to 1875. After their death the area they planted with trees came to be known as the Painter Arboretum. Among the existing specimens is probably the largest sequoia east of the Rockies and other big trees, such as a cedar of Lebanon, ginkgo, oaks, yews and maples.

The area of about seventy acres some years ago was transferred to the John J. Tyler Arboretum, the trustees of which hold it for the benefit of the public. With the Painter property and other adjoining land, the Tyler Arboretum now covers about 700 acres and an endowment fund insures its continuance.

SURPLUS LIST OF SCARCE ITEMS

We have several thousand of them.
All first-grade landscape material.

Acer Glabrala, 5 to 6 ft.; 6 to 7 ft.
Acer Platanoides, 1½ to 2½-in.
Acer Schwedleri, 1½ up to 2½-in.
Fraxinus Americana, ½ to 3-in.
Gleditsia Inermis, 6 to 8 ft.; 2½-in.
Bolleana Poplar, 1½ to 3-in.
Sorbus Aucuparia,
8 to 10 ft.; 10 to 12 ft.
Tilia Americana,
8 to 10 ft., up to 3-in.
Tilia Americana,
8 to 10 ft., up to 2½-in.
Ulmus Americana, 1½ to 3-in.
Prunus Padus, 5 to 6 ft.; 6 to 7 ft.
Corylus Americana,
4 to 5 ft.; 5 to 6 ft.
Cotoneaster Divaricata,
2 to 3 ft.; 3 to 4 ft.
Ligustrum Regelianum, 2 to 3 ft.
Eleagnus Longipes,
4 to 5 ft.; 5 to 6 ft.
Euonymus Alatus,
2 to 3 ft. and 3 to 4 ft.
Euonymus Alatus Compactus,
1½ to 2 ft. and 2 to 3 ft.

Many other items. Write for prices.

Hillsdale Landscape Co.
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Wholesale growers of a
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50 Berekmanns Golden Arborvitae,
real specimens, 5 to 6 ft., \$3.00.

These prices are for B&B plants
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Large Pfister Junipers, Pyracantha
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Book orders early.

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P. O. Box 798

Oklahoma City, Okla.

Coming Events

MEETING CALENDAR.

February 19 and 20, Pennsylvania Nurserymen's Association, Bellevue-Stratford hotel, Philadelphia.

February 21, Midwestern shade tree conference, sponsored by Midwest Institute of Park Executives and region 5 of National Shade Tree Conference, La Salle hotel, Chicago.

PROGRAM AT PITTSBURGH.

The Western Pennsylvania Nurserymen's Association will hold the spring meeting February 28, at the Webster Hall hotel, Pittsburgh. This will be an afternoon and evening meeting, starting at 3:30 p. m. Dinner will be served at 6:30 p. m.

A fine program has been arranged. Speakers will be Prof. Alex Laurie, head of the department of floriculture, Ohio State University; Arthur D. Williams, physical director, East Liberty Y. M. C. A., Pittsburgh; Eugene O. Kane, clerk of Orphans' court, Allegheny county, Pittsburgh. As an added feature, a number of colored movies will be shown.

A large turnout of members is expected, and all members of the trade are most welcome.

Louis E. Wissenbach, Sec'y.

NORTH CAROLINA MEETING AND SHORT COURSE.

The semiannual meeting of the North Carolina Association of Nurserymen and the nurserymen's short course will be held at the State College Y. M. C. A., Raleigh, N. C., February 15 and 16. The association extends an invitation to all out-of-state nurserymen to attend this meeting. A program has been planned that will be of interest to all nurserymen throughout the states, states G. G. Gilmore, president.

ROADSIDE SHORT COURSE.

The fifth annual short course on roadside development, jointly sponsored by the Ohio department of highways and Ohio State University, will be held February 27 and 28 at the university. "Parks, Approaches, Roadsides—Their Advantages and Problems" will be the theme of the first session. "Practical Approaches to Roadside Construction and Maintenance" will be the general subject of the talks heard at the second session. The concluding session will have the theme "Regional and Inter-regional Highway Planning." Discus-

sions will cover subjects of interest to engineers, landscape architects, educational personnel and the layman.

Transportation for out-of-town guests will be furnished from downtown hotels to Ohio State University upon notification to Dallas R. Dupre, Jr., State Office building, Columbus 15, O.

COVER ILLUSTRATION.

Nyssa Sylvatica.

One of our most gorgeous trees, native of the territory from Maine to Michigan south to Florida and Texas, is the black tupelo, *Nyssa sylvatica*. Various other common names are given to this plant, such as sour gum, black gum and pepperidge. It is said to reach a height of 100 feet, but one is much more likely to see specimens of forty to sixty feet in height. Its habit of growth resembles a great deal that of our common pin oak. It develops a central trunk with closely placed, rather short, horizontal branches.

Occasionally the lower branches are somewhat pendulous, and with age the tree becomes somewhat flat-topped, losing most of the lower branches. Among the characteristics that can be used to identify this plant, in addition to the leaves, are the smooth-barked twigs, the dark reddish-brown buds and the woody partitions in the pith of the stem. The leaves are two to four inches long, very glossy above and with an entire margin. The foliage is attractive during the growing season, but is even more beautiful in the fall, when it turns a brilliant scarlet or a purplish-red color. Few trees are more outstanding in fall foliage color than the black tupelo.

Flowers of the black tupelo are of little importance from an ornamental standpoint, but the plant does bear quite attractive blue-black fruit in September and October.

The tree is usually found growing natively in acid soil regions and in quite moist situations. Experience has shown, however, that it will do quite well on dry hillsides once it has become established.

The black tupelo is usually considered among our most difficult trees to transplant. It can be successfully transplanted, however, if it is moved in the spring with a good ball of soil. Preferably the trees should be set in rich acid soil and given plenty

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- Shade Trees
- Specimen Evergreens
- Flowering Shrubs
- General Assortment of Stock.

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Juniperus Scopulorum Parki
Something new.

A spreading scopulorum of the pfitzeriana type. All rights released. Not over 100 to a customer.

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No other grafts available
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Only Boxwood proved hardy in Northern States for Twenty Years.

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BRIDGEPORT INDIANA

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WHITE-FLOWERING
DOGWOOD

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WELL GROWN EVER-
GREENS, in variety.

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GRAPEVINES, CURRANTS, GOOSEBERRIES and BERRY PLANTS

Can also supply Currant
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Known to the Wholesale Trade
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Quality Since 1890.

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THE CRESCO STRAWBERRY

*Hardier than Dunlap.

*Larger and more colorful.

*Heavy yields.

*Good plant maker.

*Clean foundation stock.

500 plants, \$7.50 1000 plants, \$12.00

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Fruit and Evergreen Specialists
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Grapevines, Currant Roots,
Currant Cuttings and Berry Plants.
Small Fruit Specialists.

WEST HILL NURSERIES
Fredonia, N. Y. Since 1875

of moisture. This tree is slow in developing fibrous roots and is, consequently, slow in becoming established. Excellent care will need to be given the plant during the first few years after it is transplanted.

Nyssa sylvatica is usually considered to be free from any serious insects and diseases. Occasions have arisen when the plant was quite seriously infested with a leaf miner. This pest has not occurred commonly, however, and perhaps where it does, DDT will be the answer as a control measure. The plant is propagated by seeds, which may be sown in the fall or stratified over winter in moist sand, or sand and peat, and held at a cold temperature of approximately 40 degrees Fahrenheit.

Nyssa sylvatica should find more extensive use as a specimen tree for small lawn areas. In a majority of cases, it is not so large that it will get out of scale with the conditions existing on the average small home grounds, and its attractiveness in habit of growth and foliage, particularly fall foliage, can hardly be equaled by any other tree. L. C. C.

CANADIAN OFFICERS.

Senator E. D. Smith and the retiring president, E. B. Luke, of Luke Bros., Ltd., are honorary presidents of the Eastern Canada Nurserymen's Association. Spencer McConnell, of the McConnell Nursery Co., is the new association president. The vice-president is Fred Davidson, Wellington & Davidson; the secretary-treasurer is L. F. Burrows, and those serving as directors are H. C. Downham, of the H. C. Downham Nursery, Ltd.; H. Endean, of the Endean Nursery, and C. H. Prudhomme, of C. H. Prudhomme & Sons.

E. B. Luke was elected representative to the Horticultural Council; H. Endean, to the Canadian Horticultural Society and the Canadian National Exhibition, and A. E. Brown, to the Royal Winter Fair.

BLACK STEM RUST.

By a recent amendment to the federal black stem rust quarantine, the state of Kansas has been added to the protected states within the meaning of the quarantine and regulations. The amendment became effective February 1. Kansas was added because of its importance in small-grain production and because of the progress made in that state in eradication of nonresistant species of barberries and mahonias.

The lovely

Yellow

Rose



V for Victory

and other

SUB-ZERO HYBRID TEAS

Large and beautiful as any.

Easy to grow and long live.

Save replacement expense.

Also Yellow and Orange Climbers.

Write for trade prices to

BROWNELL ROSES

LITTLE COMPTON, R. I.

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Rose Bushes

Immediate shipment.

Limited varieties.



Box 15, Tyler, Tex. Ph. 811
The Rose Garden of America

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STRAWBERRY PLANTS

Blakemore, Missionary, Dunlap, Ambrosia, New Robinson, Aroma, Evermore Everbearing (Minnesota 1166).

Write for quotations on wholesale lots.

MULLINS PLANT FARM

S. E. Mullins, Prop.

410 Brookfield Ave., Chattanooga 4, Tenn.

SMALL FRUIT PLANTS

Still available: Black Raspberry tips, St. Regis Raspberries, Blackberries, Boysenberries, Rhubarb, Asparagus, 1-yr. Niagara Grapes, large quantities of Strawberries in spring and fall varieties. Write for quotations.

Also offering good supply of Adams and fair amount of Rubel and Rancocas Blueberries, 1-yr. rooted cuttings, 35c ea.; \$30.00 per 100; \$250.00 per 1000. Rubel 2-yr. plants, 65c ea.; \$60.00 per 100; \$380 per 1000.

L. J. RAMBO'S WHOLESALE NURSERIES

Bridgman, Mich.

ASPARAGUS

WASHINGTON and PARADISE

Let us quote on your needs.

COE, CONVERSE & EDWARDS CO.
Fort Atkinson, Wisconsin

Letters from Readers

WELCOMES BOXWOOD DATA.

The article "DDT Used to Control Boxwood Leaf Miner," based on a report by C. R. Runyon, in the December 15 issue of the American Nurseryman, is just what I have been waiting for.

Over a period of years I have used the molasses-nicotine spray treatment from time to time. The period of control is from early May to the middle of May in New Jersey during a normal year. I have put on a half-dozen sprays as thoroughly as I knew how, only to find that about seventy per cent control was the best I could hope for. I have also noticed that either the molasses or the nicotine, or both, seemed to have a retarding effect upon growth throughout the year following spraying.

Many thanks to Mr. Runyon and the American Nurseryman!

George Jennings.

JOHNSON'S OAK.

In the January 15 issue of the American Nurseryman I read the article regarding large old trees.

You would probably be interested in knowing of a large oak tree at Bridgeport, Conn., which is located about 1,000 yards from my nursery.

About five or six years ago a sign was nailed to this tree stating that it was 500 years old. It is about six feet in diameter and is known as Johnson's oak. It stands near a creek of the same name. Originally the Cupheag Indian tribe's camp was located at this place, and the great oak's branches sheltered part of the camp.

Ludwig Meyer,
Stratford, Conn.

FROM RETURNED VETERAN.

My feet are off that army desk and finally back on nursery soil after four years and nine months of service, two crossings of the Atlantic and sight-seeing in Europe. It is great to be home and at work in the nurseries.

I was amazed at the amount of plant material available in England in spite of the fact that about ninety-five per cent of the greenhouses and land had to be producing foodstuffs. In France there were plenty of small flowering plants, but few shrubs and trees. Belgium had its share of maltreatment, but was producing some good azaleas. In Germany—well, there was little glass left in the whole place.

I am glad to see the United States

going all out for planting and replanting. It shows the whole world that, even while fighting and producing material to win a war, we want to keep our homes beautiful.

I should like to use your magazine to express my sincere thanks and appreciation to all in the trade for their help during this great conflict. Many have paid with time in the service; a few gave their lives, the greatest gift, and those remaining home have exerted every effort to do their part. Thanks to all, and let us keep this peace that cost so much.

Steven D. Dodd.

BEST BLUEBERRIES.

In the report of the meeting of the Western Pennsylvania Nurserymen's Association commencing on page 14 of your January 1 issue the following is reported as the opinion of an expert: "The outstanding blueberries are Cabot, Adams, Pemberton and Wellington." I think this must be a misquotation and, for the benefit of the blueberry industry, should be corrected.

The Cabot, one of the early introductions, is small, of poor flavor and subject to winter injury and insect pests. Adams is hardly grown at all commercially now. It is small, of poor flavor and soft for a shipper; it may withstand drought or adverse upland conditions a little better than most varieties. There is no recognized variety named Wellington; possibly Burlington is meant. Burlington is a recent introduction (1939), which is late and has a good color and scar and an excellent flavor, but is only medium in size, and the bush is not so vigorous and productive as some. It seems to be rated high for vigor in the east, however.

Dixie has the largest berry and is a fine vigorous bush. It has excellent flavor. Atlantic has a large light blue berry and is vigorous and productive. Pemberton has a large dark-colored berry, but is the most vigorous and productive of all. Jersey is large and vigorous, with a light blue berry. Stanley has the best flavor and is light blue with a beautiful waxy-leaved bush. Weymouth is the earliest and has a large berry, but is somewhat flat in flavor. These are the outstanding blueberries up to date. They are all plants suitable for ornamental planting where the proper conditions of soil and moisture exist. They represent such a vast improvement over the Cabot and Adams as to make

WHO WANTS THESE?

- 600 Tulip Trees, 18 to 30 ins.
- 900 Spirea Callosa Rosea, 18 to 30 ins.
- 100 Paw Paw, 2 to 3 ft.
- 3400 Hemlock, 4 to 12 ins.
- 200 Spirea Vanhouttei, 12 to 18 ins.
- 150 Magnolia Acuminata, 12 to 30 ins.
- 200 Robinia Hispid (Moss Locust), 12 to 24 ins.
- 225 Azalea Nudiflora, 18 to 30 ins.
- 100 Dogwood, 18 to 24 ins.
- 100 Sourwood, 2 to 3 ft.
- 100 Sugar Maple, 2 to 3 ft.

The above stock is all good lining-out stock and a bargain for only \$69.50 for the lot.

O. H. PERRY NURSERY CO.

Box 545 McMinnville, Tenn.

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Bears first year

44c each on 50 or more wholesale.

PEARS

Pineapple, \$50.00 per 100.

Garber, \$60.00 per 100.

ROSES

No. 1 1/2, \$40.00 per 100.

NEW DELTA NURSERY

Route 4 Jackson, Miss.

STRAWBERRY PLANTS

These plants are extra strong, disease-free and grown on new ground. Liberal count, all small plants thrown out. Grown by us here in the famous fruit belt of southern Illinois.

BLAKEMORE, \$9.00 per 1000; \$85.00 per 10,000.

Order direct from this ad, 50 per cent cash with order; balance before shipping date or C.O.D.

WANTED

Blue Spruce: Kosterl, Moerhelm or Colorado, landscape sizes. Also Taxus and Hemlock in landscape sizes. Evergreen liners, XX Trans; what have you?

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Route 2 Carbondale, Ill.

ROLLERS WHSL. NURSERY OFFERS

	Per 1000
4000 June-bud Peach, 12 to 18 ins.	\$75.00
700 Hanska Plum, under 1 ft., \$6.00 per 100.	
15,000 Boysenberry, 1-yr.	25.00
10,000 Dewberry, 1-yr.	15.00
5000 Dallas Blackberry, 1-yr.	20.00
1500 Fredonia Grapes, No. 1 and No. 2	80.00

COLLECTED NATIVE CEDARS.

	Really nice.	Per 1000
5 to 10 ins.		\$ 20.00
10 to 15 ins.		35.00
15 to 25 ins.		60.00
25 to 35 ins.		100.00

ROLLERS WHOLESALE NURSERY

Rogers, Ark.

WASHINGTON ASPARAGUS ROOTS

1-yr. and 2-yr.

The very best roots we have ever grown. All state inspected. Can furnish in quantity lots. Write for prices.

PAW PAW NURSERIES

Frank Nelson Paw Paw, Mich.

APPLE AND PEAR GRAFTS

We have a few thousand **Apple Grafts** in leading varieties. **Pear Grafts** only in **Bartlett**, **Lincoln** and **Kieffer**. Sold out of all other varieties.

We still have a few thousand **PEACH** in leading varieties; also **1-year-old APPLE WHIPS**, 2 to 3 ft., 3 to 4 ft. and 4 to 5 ft., **Red** and **Golden Delicious**, **Jonathan**, **Grimes**, **Stayman**, **York**, **Wine-sap** and **Transparent**.

SHADE TREES, 6 to 8 ft., to 3-in. cal., in **Gum**, **Elm**, **Maple**, **Poplar**, **Oak**, **Ash**, **Redbud** and **Black Walnut**.

Amur River Privet, 18 to 24 ins. and 2 to 3 ft.

EGYPTIAN NURSERY CO.

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ABELIAS

2 to 3 ft., 3 to 4 ft. and 4 to 5 ft., **70c** to **\$1.25**, balled and burlapped, according to grade and quantity. Bare root, **25c** less.

PEACH TREES

Several sizes. Extra fine stock. Ask for specials on large quantities.

OZARKS PLANT FARMS, INC.

Springfield, Mo.

FRUIT TREES

AND

SMALL FRUITS

HARRISON BROTHERS NURSERIES

G. Hale Harrison, General Manager

BERLIN, MARYLAND

WANTED

FRUIT TREE STOCKS

Apple, **Pear**, **Plum** and **Cherry**

Also **Rose Seedlings** for budding.

STORRS & HARRISON NURSERIES, INC.

Painesville, Ohio

S. A. AUGUSTE HAERENS & SONS

Ghent, Belgium

offer great stocks of **Azalea indic.** New varieties a specialty. **Begonia** and **Gloxinia**.

the last-mentioned completely obsolete.

Bulletin No. 1951 of the United States Department of Agriculture on blueberry growing has a complete discussion of varieties as well as culture and should be consulted by nurserymen who wish to give their customers the best varieties and the best in cultural advice.

Arthur Elliott.

OBITUARY.

John R. Brinley.

John R. Brinley, a retired landscape architect, died January 31 at his home at Morristown, N. J. He was 85. He was a member of the Morristown Club. Surviving are four daughters and a son, John R., Jr.

A. R. P.

Edward Charles Hauser.

Edward Charles Hauser, Pittsburgh, Pa., died January 12. He was 76 years old. Born at Cincinnati, O., Mr. Hauser had lived at Pittsburgh for forty years and was a nurseryman there. He is survived by his widow, Mrs. Flora Hauser; one son, one daughter, a brother and three sisters.

MICHIGAN MEETING.

[Concluded from page 16.]

3, Michigan went on record as favoring rotation between the states in selecting a candidate.

Delegates selected for the next two years are Robert W. Essig, Detroit; Arthur L. Watson, Grand Rapids, and Walter M. Coon, Farmington. Bernard Ward, Lansing, and Harold E. Hunziker, Niles, were chosen for one year. Henry Kleine, Monroe, is the only holdover delegate. Alternates selected were Clifford Emlong, Stevensville; Charles Greening, Monroe; Louis Krill, Vicksburg; Walter Montfort, Benton Harbor; A. W. Krieger, Bridgman; Harry Malter, Monroe, and Harold Nagle, Benton Harbor.

MARQUIS M. HUNT, JR., landscape architect, has taken over the management of Boxwood Gardens, High Point, N. C., owned by Mr. and Mrs. R. P. Royer. A graduate of Alabama Polytechnic Institute, Mr. Hunt served with the National Park Service for six years and later with the Federal Housing Authority in Georgia and Florida before becoming associated with several of the larger nurseries in Virginia and Tennessee.

NATIVE EVERGREENS

OUR SPECIALTY

Our sales the past fall on Native Evergreens have been far beyond our expectations. Your many letters of appreciation for the stock we have been able to furnish is proof that the trade appreciates something just a little better. We will continue to ship the best to be had in this section and ask that you get your orders in to us as early as convenient. Samples of any grade of any item for **\$1.00**.

	Per 100	Per 1000
ILEX OPACA , American Holly.		
3 to 6-in. seedlings.....	\$1.50	\$10.00
6 to 9-in. seedlings.....	2.50	20.00
9 to 12-in. seedlings.....	3.50	30.00
Selected understocks.....	5.00	45.00
JUNIPER VIRGINIANA , Red Cedar.		
3 to 6-in. seedlings.....	1.25	8.00
6 to 9-in. seedlings.....	1.50	12.00
9 to 12-in. seedlings.....	2.00	16.00
12 to 18-in. seedlings.....	3.00	25.00
Selected understocks.....	4.00	35.00
KALMIA LATIFOLIA .		
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3 to 6-in. seedlings.....	1.50	12.00
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9 to 12-in. seedlings.....	3.50	30.00
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9 to 12-in. seedlings.....	2.00	16.00
12 to 18-in. seedlings.....	3.00	25.00
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Rosebay Rhododendron.		
3 to 6-in. seedlings.....	2.50	20.00
6 to 9-in. seedlings.....	4.00	35.00
9 to 12-in. seedlings.....	5.00	45.00
TSUGA CANADENSIS .		
Canadian Hemlock.		
3 to 6-in. seedlings.....	1.25	8.00
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9 to 12-in. seedlings.....	3.00	25.00
12 to 18-in. seedlings.....	4.00	35.00
VINCA MINOR , Hardy Myrtle.		
Medium liners.....	1.50	12.00
Clumps, 5 to 10 leads.....	3.00	25.00
LONICERA HALLIANA .		
Hall's Honeysuckle.		
6 to 12-in. liners.....	1.25	8.00
12 to 18-in. liners.....	1.50	12.00
12 to 18-in. clumps.....	3.50	30.00
18 to 24-in. clumps.....	5.00	45.00
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Christmas Fern.		
Medium clumps.....	3.00	25.00
Heavy clumps.....	6.00	50.00

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Aroma or Klondike	\$1.25	\$2.50	\$7.00
Blakemore	1.00	2.25	6.00
Dunlap or Missionary	1.25	2.50	7.00
Progressive			
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We are now booking orders for **Apple** and **Pear Grafts** for shipment spring 1946. Also have some scions to offer.

MISS E. SCHULZE,

Cassville, Ill.

NEW YORK MEETING.

[Continued from page 8.]

course open to the trained operators of nurseries.

An informal discussion on "Standardized Plant Names" was opened by J. Franklyn Styer, chairman of the A. A. N. committee on united horticulture and plant nomenclature. This discussion took the form of a debate. William A. Dayton, chief of the division of dendrology and range forage investigations, USDA, and coeditor of "Standardized Plant Names," took the floor in defense of the methods used in publishing the book.

He reviewed the task of trying to bring some 90,000 plant names into some logical order to make buying easier in the trade, as well as serving other purposes. Though the coeditor freely admitted there were errors in the book, he asserted it is the most up-to-date, most accurate and the best we have to be guided by. It was published under principles that were sound and had been accepted by the government and most horticultural organizations throughout the world.

Tribute was given to his coeditor, Harlan P. Kelsey, East Boxford, Mass., for his years of work on bringing about the revised edition of "Standardized Plant Names," and to the more than 200 other contributors to the book.

Objections to the book were brought out by Peter J. Van Melle, nurseryman, of Poughkeepsie, N. Y., on the basis that the book contained too many inaccuracies to make the book useful as a standard guide. In his attempt to prove his point he distributed a sheet of thirty juniper types, showing the confusion caused in their listing in S. P. N. Mr. Van Melle thinks we are a hundred years away from having sufficient knowledge to write such a book, as a standard to be followed.

Mr. Dayton was given a few minutes for rebuttal, in which he agreed in many respects with the ideal set up by Mr. Van Melle and referred the audience to the remarks about the use in the trade of "Standardized Plant Names" in the article by Mr. Kelsey published in the American Nurseryman of November 1, 1945.

The final session was held Saturday morning, January 26, with a holdover talk by Dr. A. B. Buckholtz, director of the New York state bureau of plant industry. He reviewed the pest control situation in New York state and told of his interest in quarantine 37 from the pest control angle.

Richard P. White, executive secre-



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EXCELLENT—Firm shipping berry; rich, radiant red color; full strawberry flavor; good canner and freezer; heavy bearer; excellent aroma; sturdy plant with luxurious green foliage.

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AQUIFOLIUM**

3-yr. seedlings, 15 to 24 ins.
Cut back to 12 ins. when shipped

\$5.00 per 100; \$40.00 per 1000

Liberal count. No packing charge
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Mount Vernon, Wash.

tary of the A. A. N., told of the association's action at Chicago in opposing relaxation of the inspection regulations of the quarantine. In fact, he had to return to Washington to work on this matter, being forced to skip the Ohio and New Jersey meetings.

Mr. White reported other legislative matters coming up in 1946 to make it an especially heavy legislative year. He is working, on the behalf of American nurserymen, on a uniform definition of agriculture, on the revival of the feed, seed and fertilizer bill that was vetoed by the late President Roosevelt and on appropriations to carry on research work at the federal station at Beltsville, Md.

Mr. White then introduced John

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PEACH TREES
FIG TREES
GRAPES, complete assortment
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DECIDUOUS SHRUBS in variety
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Emperor, late, red.
Black Malvoise, table or wine.

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Alcante, red. Carignane, black.
Golden Chasselas. Grenache, black.
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AMERICAN VARIETIES.
Concord, black. Niagara, white.
Delaware, red. Fredonia, black.
Portland, white. Caco, red.

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W. Baringer, his new assistant and director of research. Mr. Baringer gave a few remarks about the work he was to carry on in helping Mr. White.

E. B. Stedman, Newfane, N. Y., introduced a resolution favoring the stand that the board of delegates of the A. A. N. took at Chicago regarding quarantine 37.

The program was closed by the able president of the A. A. N., Arthur H. Hill, Dundee, Ill., who reviewed the actions taken at Chicago

and offered comments, interspersed with humorous stories and incidents, about the affairs of the association.

R. L. Holmes reported the decision of the board of directors in selecting Howard C. Taylor for reelection as president; John Kelly, Dansville, as vice-president, and Peter J. Van Melle, Poughkeepsie, as secretary-treasurer for the coming year.

Dr. Pridham, who had been serving as secretary-treasurer, had been forced to resign because of increased demands on his time with the return of the GI's to the campus at Cornell. A vote of thanks was given him.

Luke May, Lexington, Mass., was called on to talk briefly on the GI training program he has started in his nursery. This is the program that cooperates with the government in training men mostly in the nursery and partly under an educational program in the evenings.

In the final minutes several tributes were given Howard Taylor for his fine work with the New York nurserymen and for his work on the A. A. N. executive committee. Thanks were given the arrangements committee for its help in presenting this, the second New York state program.

SAN FERNANDO ELECTION.

Newly elected officers of the San Fernando Valley chapter of the California Association of Nurserymen are Eric Regan, president; Bill Powell, vice-president; Bernice Schnieder, secretary, and Rose Giannuli, treasurer.

The new board of directors included Bill Clark, Henry Carter, Walt Wilding, Gene Giannuli, Charles Gaul and Verne McIntyre.

TRI-COUNTY MEETING.

The forty-fourth meeting of the Tri-County chapter of the California Association of Nurserymen was held at the Barbara coffee shop, Santa Barbara, January 18. Past President Paul Sanders called the meeting to order.

Bert Kallman, past president of the California Association of Nurserymen, was asked to install and instruct the new officers concerning their duties. This he ably did.

Walter J. Knecht thanked the members for the confidence in him and promised to do his best to carry out his duties as president. He then pointed out the need for a member of the Santa Barbara area and one of the Ventura section to select and obtain speakers for their respective

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CEDAR, Atlanta Glauca, Deodara.

CYPRESS, Allumi, Erecta Viridis, Wisconsin.

JUNIPERS, Irish Fastigiata, Keteleeri, Meyeri, Pfitzeriana, Sabina, Sabina Variegata, Spiny Greek, Tamariscifolia.

PINE, Mugho.

RETINOSPORA, Crippsi, Squarrosa, Plumosa, Filifera, Hinoki (Green and Golden).

SPRUCE, Kosteriana.

YEW, English Golden, English Green, Oriental Spreading, Oriental Upright, Irish.

BROAD-LEAVED, Pink Dogwood, Azalea, Camellia, Magnolia, Daphne, Oriental Laceleaf, Maple, etc.

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1000 Specimen Dwarf Boxwood, 18 to 24 in.

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meetings. Arthur Verhelle was chosen to provide the speaker for Santa Barbara and Mr. Knecht for Ventura.

It was voted to change the time of meeting to 6:30 p. m. in order to provide ample time for the meeting. It was decided to meet every fourth Friday instead of every third Friday of the month.

Vice-president Verhelle introduced the speaker of the evening, Elliot Rogers, whose subject was hardy orchids. Mr. Rogers first discussed the economic aspects of cymbidium culture, pointing out that prices have rapidly risen since 1940, when he first began importing blooming-size plants from England at about the cost of \$3 delivered to Santa Barbara. The cheapest are \$10 now, and few are obtainable. Many fine breeding types were imported during the war. He indicated a resumption of the trade, but at higher prices and in less volume than during the war. Cymbidium cultural practices were discussed with the members—the Australian method of pot culture, feeding, watering, planting, etc. Many variant ideas were presented. Most agreed that cymbidiums need much feeding, good drainage and good moisture conditions.

It was voted that the Tri-County chapter endorse the cymbidium show, March 7 to 9, at the recreation center at Santa Barbara, of which Mr. Rogers is chairman. Mr. Rogers asked that all growers interested submit their inquiries to him in care of the Kallman Nurseries.

Mr. Kallman presented each person present with a gardenia flower on the occasion of the opening of his new Santa Barbara nursery.

Karl W. Opitz, Sec'y.

OHIO SHORT COURSE.

[Continued from page 12.]

to 0.15 per cent solutions. One gallon of spray covers about 200 square feet. Dandelions and plantains are readily controlled in lawn areas. Lawns should be reseeded and fertilized to encourage the growth of the lawn grasses; otherwise, crab grass may take over the spots where the weeds are killed out. Dr. Willard reported that Canada thistle and poison ivy had not been completely controlled with 2, 4-D in his tests to date.

Many other weed killers are in the experimental stage and will soon be on the market. Several of the dinitro products have been tried and found effective. Dinitroortho secondary butylphenol, manufactured by the Dow Chemical Co., has proved to

be an effective potato vine killer, according to Dr. Willard.

Dr. J. S. Houser, of the entomology department, Ohio agricultural experiment station, Wooster, gave a review of "Recent Experimental Work with DDT." He stated that DDT will become an important insecticide. He gave a short history of DDT and stated that, although it was discovered in 1874, little work was done with it until quite recently. It is not a standardized product, and DDT supplied by different manufacturers varies considerably. Use wettable powders of DDT for plant applications. It is best to buy DDT from reliable concerns. One of the advantages of DDT is that it can be mixed with fungicides, such as Bordeaux mixtures and sulphur.

DDT acts on the nervous system of insects. The action of DDT is slow, and it must be given a little time to take effect. The dangers of DDT have been overemphasized. It is no more dangerous than lead arsenate. Do not overemphasize the dangers of DDT, but say enough so that it will be used carefully.

Dr. L. C. Chadwick was in charge of a plant clinic, and the panel of experts included Dr. J. S. Houser and Dr. Paul E. Tilford; C. R. Runyan, superintendent of Spring Grove cemetery, Cincinnati, and John Siebenthaler, Dayton. Many questions regarding insect and disease control and plant growth were discussed for nearly two hours.

Tuesday evening, Prof. Charles R. Sutton, of the department of landscape architecture, Ohio State University, discussed "Planting Design." He stated that the design should be one of simplicity, resulting in a reduction of cost of maintenance. He believes that a plant should be placed in a location where it is most useful to the owner. Several types of designs were discussed from the standpoint of the correct use of plants in these designs.

Prof. Victor H. Ries, Ohio State University, was in charge of a panel discussion of foundation planting. Kodachrome slides were used to show several foundation plantings, which were discussed by a board of experts consisting of Professor Sutton, G. Walter Burwell, of the Burwell Nursery Co., Columbus; A. M. Grube, Lakewood Nursery Co., Lakewood, and George Siebenthaler, of the Siebenthaler Co., Dayton.

Wednesday morning, Prof. Alex Laurie, Ohio State University, discussed the production of "Some Plants for the Florists." He stated that there is a big demand for azaleas



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at Christmas time. He outlined the methods of production to follow in producing azaleas in 2½-inch or 3-inch pots for spring sales to florists. It is possible for the nurseryman to grow these outdoors until fall and then sell them to florists in 5-inch pots during November in time for the Christmas trade. Some of the important varieties grown are Coral Bells, Hexe and Sweetheart Supreme. To get bud set for Christmas bloom, the plants should be grown outdoors during the summer under lath or snow fence. August 1 the shade should be removed. The shock will cause more food storage and the buds will be set by September 1. October 1 they should be moved into a cool room with light at temperatures of from 40 to 45 degrees for four weeks.

Shoots of forsythia, deutzia, some honeysuckles and several of the spiraeas and pussy willow are bought for forcing. These should be from eight to twelve inches or more long. Dwarf lilacs are sold in pots or tubs for forcing. There is also a good demand for budded roses. Contact any large rose grower, and he will furnish the scions. There is a strong demand for hardy chrysanthemums. Balsam, arborvitae, hemlock, spruce, Scotch pine and other greens can be sold readily to wholesale and retail florists.

G. Walter Burwell, of the Burwell Nursery Co., Columbus, discussed his experiences with "Christmas Greens and Other Decorations."

John D. Siebenthaler, of the Siebenthaler Co., Dayton, enumerated some of the ways in which the Ohio Nurserymen's Association was helping the nurserymen of the state. It serves to protect their interests. It also looks after the legislative procedures applying to the nursery business. He stated that Ohio is one of four states that exempts nursery stock from personal property tax.

Dr. Oliver D. Diller, department of forestry, Ohio agricultural experiment station, Wooster, gave a short discussion on nut trees for Ohio. Abundant production, high quality and early bearing are characteristics of good nut trees. Some of the more promising varieties of black walnuts are Ohio, Sheller, Brown and Thomas. Grafted trees may be obtained from several commercial nut nurseries. Two blight-resistant chestnut varieties are Hawk and Reliable. Hazelnuts can also be obtained at commercial nut nurseries. They grow well on sites where peaches grow. Hazelnuts, or filberts, may be propagated by seeds. The seeds should be planted in a cool place as soon as they are gathered.

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7"x½"	ROSE LABELS—Multiples of 100 of variety	\$1.75 per 1000
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A plant identification contest was staged by Professor Chadwick. Winners were Parker Leonard, Piqua; Frank Turner, Berryhill Nursery Co.,

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Springfield, and Alfred Block, W. A. Natorp Co., Cincinnati. Books were awarded as prizes.

[To be concluded.]

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The Pixwell Gooseberry, originated by Dr. Yaeager, of the North Dakota experiment station, is on the recommended fruit list of Minnesota and the Dakotas and will soon be the leading variety. According to the North Dakota station bulletin, Pixwell bears 50 per cent more than Carrie, and the berries are about twice as large. We found this true in our tests; we tested all the leading varieties and found Pixwell the best of all. The bush is fast growing, extremely hardy; berries of super quality, sweet, easy to pick, can be eaten out of the hand, hang on long stems and stay on bushes until fall.

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	Per 1000
Blakemore	\$5.50
Missionary	5.50
Dunlap	6.50
Ambrosia	7.00
New Robinson	7.00
Progressive Everbearing	9.00
Minnesota 1166 Everbearing	15.00

Have grown and shipped plants for 25 years. Plants will be well graded and packed. Reference: Hamilton County Agriculture Department, Courthouse, Chattanooga, Tenn.

W. H. LEAMON, Rt. 1, Ooltewah, Tenn.

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but we do not have any more Sodus Purple Raspberry plants, but we do have thousands of choice Senator Dunlap Strawberry plants grown on new ground.

No. 1 plants, \$7.00 per 1000; \$6.00 per 1000 in lots of 10,000 or more. All plants dug fresh for each order and packed to reach you in good condition. Forty years' experience. Buy the best for less.

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ROMINES PLANT FARM, Dayton, Tenn.

STRAWBERRY PLANTS — Progressive Everbearing, \$10.00 per 1000. For March or April shipment. Fresh dug, direct from growing block. Progressive is the "everbearingest" strawberry of all and the sweetest. Not large, but is always in bloom and fruit and has the delicious fragrance and sweetness of the wild strawberries.

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Senator Dunlap Strawberry plants. Real producers; good plants grown on good soil; plenty of moisture, good root system; assured good, young, healthy, fresh dug, state-inspected plants; well packed; will reach you in good growing condition; \$8.00 per 1000. Write for prices on larger amounts. Booking orders now.

RILEY'S NURSERY, Concordia, Kan.

CONCORD GRAPE CUTTINGS taken from young thrifty vineyard (20 acres); carefully made by experienced workmen; tied 100 to bunch, \$6.00 per 1000; Fredoni \$8.00 per 1000. Can ship any time this winter. Strong, 1-yr. Concord vines, \$8.00 per 100, \$75.00 per 1000. All F.O.B. here.

IDEAL FRUIT FARM, Stillwell, Okla.

GRAPES, 1-yr., No. 1	Per 100	Per 1000
Fredonia	\$11.00	\$100.00
THORNLESS		
YOUNGBERRIES	5.00	45.00
STRAWBERRIES		8.00

Varieties: Dunlap and Blakemore.

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EVERBEARING STRAWBERRY PLANTS Gem, Gemata, Minn. 1166 and Streamliner. Have been supplying the trade with good plants for 26 years.

DOLLAR NURSERY, Bloomfield, Ia.

STRAWBERRY PLANTS—Certified, Iowa-grown; Dunlap, Blakemore, Beaver, \$8.00 per 1000. Minnesota 1166 Everbearing, \$20.00 per 1000. Fresh plants, prompt shipment.

RIDER NURSERY, Farmington, Iowa

BLUEBERRY PLANTS for sale; large amount, 1-yr.-old Adam and Rubel; also 2-yr.-old Rubel.

DEJONGE'S

20 West Eighth St., Holland, Mich.

State inspected, Connecticut-grown Strawberry plants; Premier, Pathfinder, Dresden, Shelton, Catskill, Fairfax and Redstar varieties. Send for catalog. **CHARLES K. CRARY, R. 3C, Norwich, Conn.**

BULBS

150,000 PRES. RED CANNAS, tall red flowers with green foliage. Carefully grown under our personal supervision, true to name, liberally graded, strong 2 to 5-eye divisions. \$8.00 per 100, \$60.00 per 1000.

Best varieties mixed cannas, \$25.00 per 1000.

MRS. CHARLIE ROBINSON, Greenville, Ga.

CREOLE EASTER LILIES.

Sound and clean; generously graded.

Blooming size, \$20.00 per 100.

Attractive price on 1000 lots or more.

MRS. CHARLIE ROBINSON, Greenville, Ga.

EVERGREENS

LINING-OUT STOCK.

	Per	Per
	100	1000
Picea Excelsa, 2-yr. sdgs.....	\$2.00	\$25.00
Picea Excelsa, 3-yr. sdgs.....	3.50	30.00
Picea Pungens, 2-yr. sdgs.....	3.00	25.00
Picea Pungens, 3-yr. sdgs.....	3.50	30.00
Picea Pungens, 4-yr. sdgs.....	4.50	40.00
Pinus Strobus, 3-yr. sdgs.....	3.00	25.00
Tsuga Canadensis, 2-yr. trans- plants	8.00	75.00
Tsuga Canadensis, 3-yr. trans- plants	11.00	100.00
Taxus Canadensis, 3-yr. trans- plants	27.50	250.00
Taxus Hickel, 3-yr. transplants.....	27.50	250.00
Taxus Hatfield, rooted cuttings.....	13.00	125.00
Taxus Canadensis, rooted cuttings.....	11.00	100.00
Taxus Canadensis Stricta, rooted cuttings	11.00	100.00
Taxus Overind, rooted cuttings.....	11.00	100.00
Taxus Hickel, rooted cuttings.....	11.00	100.00
Taxus Capitata, rooted cuttings.....	16.00	150.00

Only 10 per cent of Capitata furnished with Taxus orders. Shipment of rooted cuttings after May.

Acer Polymorphum and Atropa, pot-grown grafts; per 100, \$100.00.

VERKADE'S NURSERIES, Wayne, N. J.

EVERGREENS LINING OUT

5000 Taxus Hickel, 2 1/2-inch pots.	
20,000 Taxus, 1-yr. trans., in variety.	
20,000 Taxus, 2-yr. trans., in variety.	
10,000 Taxus, 4-yr. trans., in variety.	
20,000 Taxus, 12 to 24 ins., in variety.	
10,000 Evergreens, 2-yr. trans., assorted.	

Clean, excellent rooted stock; ask prices.

1000 Hemerocallis in variety, 3-eye, 15c

500 Sedum Spectabile, field-grown, 15c

500 Aster Frikart, 3-in. pots, 15c

VAN'S NURSERY, Fairhaven, Mass.

SEEDLINGS Age	Size	Per 1000
Banks Pine, 2 yrs., 4 to 6 ins.....		\$12.50
Banks Pine, 3 yrs., 6 to 15 ins.....		15.00
Pitch Pine, 2 yrs., 4 to 8 ins.....		12.50
Pitch Pine, 3 yrs., 6 to 14 ins.....		15.00
Pitch Pine, 5 yrs., 15 to 30 ins.....		17.50
White Pine, 3 yrs., 3 to 5 ins.....		17.50

SAMUEL E. DIBLE, Shelocla, Pa.

C. B. C. Nursery Agent

Austrian Pine, 3 to 4 ft., B&B.....	\$2.50
Scotch Pine, 3 to 4 ft., B&B.....	2.25
Scotch Pine, 4 to 5 ft., B&B.....	3.00
Scotch Pine, 5 to 6 ft., B&B.....	3.50

CAPITOL GARDEN NURSERIES

4200 N. May Ave., Oklahoma City, Okla.

100,000 NORWAY SPRUCE TRANS-PLANTS, 12 to 24 ins., \$150.00 per 1000, plus packing.

MARKHAM'S OHIO NURSERY

Elyria, Ohio.

LINING-OUT STOCK. Grafts, cuttings and seedlings of good quality. Some new and interesting introductions of Azaleas, Taxus, Tsuga, etc. Ask for our list. **JOHN VERMEULEN & SON, Westbury, L. I., N. Y.**

NATIVE AZALEAS

Snow and pink, heavy, good spread. 2 to 3 ft., \$10.00 per 100, \$75.00 per 1000.

MRS. CHARLIE ROBINSON, Greenville, Ga.

HEAVY FIELD-GROWN LINERS.

7 yrs., 3 times transplanted, stocky. Pseudotsuga Douglasi (Douglas Fir); Rocky Mountain type. Per 100

12 to 18 ins. \$20.00

18 to 24 ins. 30.00

Packing at cost.

FORREST KEELING, Elsberry, Mo.

EVERGREEN LINERS

Seedlings and transplants for Spring 1946.

Write for list.

SUNCREST EVERGREEN NURSERIES

Johnstown, Pa.

3000 PLATTE RIVER JUNIPERS, transplanted spring, 1943.

Es. Per 10 Ea. Per 100

3 to 4 ft., B&B.....\$1.50 \$1.25

THE HARRIS GARDENS, Enterprise, Kan.

FRUIT TREES

CHERRIES

SWEET CHERRIES: 9/16-in., 90c; 7/16-in., 80c; 5/16-in., 70c; 1 to 2 ft., 35c. Varieties: Napoleon, Windsor, Schmidt, Bigarreau, Yellow Spanish, Gov. Wood.

SOUR CHERRIES: 5/16-in., 60c; 1 to 2 ft., 35c.

Varieties: English Morello and Montmorancy.

BENTON COUNTY NURSERY CO.

Rogers, Ark.

HARDY GRAFTED NUT TREES

Crath Carpathian English Walnut, Black Walnut, Butternut, Heartnut. Orders for less than 10 not accepted. Price list on request.

BERNATH'S NURSERY

R. D. 1 Poughkeepsie, N. Y.

Ask for our available list of APPLE TREES, 5/16-in., 35c; 7/16-in., 40c; 9/16-in., 50c; for 50 trees or more, 17 varieties.

HOME NURSERIES

Liberal, Mo.

GRASS SODS

We again solicit, after four years' absence, your GRASS SODDING contracts. No job too large or too small for us to handle.

ABBOTT'S GARDEN SERVICE

Box 208, Flushing, N. Y.

HARDY PLANTS

PEONIES

3 to 5-eye divisions	Per 100	Per 1000
Baroness Schroeder, white.....	\$50.00	\$450.00
Edulis Superba, pink	37.00	350.00
Felix Crousse, red.....	35.00	300.00
Festiva Maxima, white.....	27.00	250.00
Floral Treasure, pink.....	27.00	250.00
Fragrans, red	27.00	250.00
Lady Leonora Bramwell, pink	27.00	250.00
Moderate Guerin	50.00	400.00
Queen Victoria, white.....	27.00	250.00
Sarah Bernhardt, pink.....	45.00	400.00
Peonies according to color.....	25.00	200.00

PHIL LUTZ PEONY FARMS, Boonville, Ind.

FAMOUS CUSHION MUMS

HARDY CHRYSANTHEMUMS

HARDY ENGLISH MUMS

Early flowering, proved hardy without mulch or covering in our fields. 300,000 field-rooted divisions, field clumps, rooted cuttings from 2 1/4-in. pots. Strong plants, sure to satisfy. Get your copy of our list now and order early while stock is plentiful.

FOX NURSERY

Eikhart, Ind.

CHRYSANTHEMUMS—Hardy florists' cut flower types. Large, single, yellow, golden Pompons, Golden Decorative, Golden Quilled and other October-flowering. Field-grown divisions now ready. List, \$3.50 per 100. F.O.B. MRS. R. GABLE, Haralson, Ga.

5000 HARDY PHLOX, mixed divisions. \$7.50 per 100. Good for department store trade.

CLOVERDALE GARDENS & NURSERY

R. R. 6 Peoria, Ill.

HARDY DAISIES.

Esther Read, div., \$12.50 per 100. Double White Swan, 2 ins., \$8.00 per 100. Supreme, giant single, 2 ins., \$12.00 per 100.

STRATFORD GARDENS, Delaware, Ohio

PERENNIAL VERBENAS, scarlet-red, white, lavender, bright pink, nice field plants, good cut, \$4.00 per 100, \$50.00 per 2000. No orders for less than 100 of one color.

MRS. CHARLIE ROBINSON, Greenville, Ga.

See our list of NEW SUMMER-FLOWERING PLANTS in the February 1 issue, or write for folder.

CORLISS BROS., INC., NURSERIES

Gloucester, Mass.

VIOLETS.

Sweet-scented blue, hardy, heavy bloomers. Large plants, \$3.00 per 100, \$25.00 per 1000.

MRS. CHARLIE ROBINSON, Greenville, Ga.

ROOTS

Victoria and Linnaeus Rubarb roots for sale, 1/2 to 3/4-in., small lining-out size. In storage for immediate shipment. Fine quality, reasonable prices.

ASHCRAFT NURSERY

R. R. 1, Box 78 Copenish, Mich.

HORSE-RADISH PLANTS, state inspected, selected plants. 6 to 10 ins. long, 3/16-in. root cuttings, \$1.25 per 100, \$10.00 per 1000; 5/16-in. and up, \$1.50 per 100, \$12.50 per 1000. F.O.B. Chicago. Less 2 per cent for cash with order. These are strong, clean healthy plants and shipped to order. **RANDOLPH MARKET NURSERY**, 808 W. Randolph St., Chicago 7, Ill.

RHUBARB Per 100 Per 1000
McDonald Rhubarb \$20.00 \$150.00
Canada Red Rhubarb 40.00 350.00
No. 1 divisions, 300 at 1000 rate.
HOME NURSERY, Cuba, Kan.

McDONALD RHUBARB
Good-size divisions, \$20.00 per 100.
Cash with order; packing free.
KEELER'S GARDENS
Sioux Falls, S. Dak.

ONION SETS
Finest-quality yellow and white.
\$4.50 for 32-lb. bu. F.O.B.
LAUREL NURSERY
Springfield Gardens, L. I., N. Y.

SHRUBS AND TREES

EVERGREENS—SHRUBS—TREES
All lining-out evergreens dug bare-root, potted and packed in moss. XX and XXX make nice trees for bench balling or potting.

JUNIPERS
ADMIRABILIS, Arbutus type, compact, dark blue foliage, with no winter discoloration. Moves easily. Per 100
Rooted cuttings \$6.50

ANDORRA
12 to 15 ins., sp., XX f.g. 25.00
15 to 18 ins., sp., XX f.g. 35.00
Rooted cuttings 6.50

IRISH
Rooted cuttings 6.50
PFITZER
6 to 9 ins., X 15.00
12 to 15 ins., sp., XX f.g. 40.00
Rooted cuttings 6.50

SAVIN
12 to 15 ins., sp., XX f.g. 35.00
15 to 18 ins., sp., XXX f.g. 45.00
PATHFINDER, Quick maturing, upright tree with steel-blue foliage. No staking required.

6 to 9 ins., X 35.00
18 to 24 ins., XXX f.g. 100.00
2 to 2 1/2 ft., XXX f.g. 125.00
2 1/2 to 3 ft., XXX f.g. 150.00

VIRGINIANA
18 to 24 ins., XX f.g. 20.00
18 to 24 ins., XXX f.g. 45.00

PINES
AUSTRIAN
18 to 24 ins., XX f.g. 45.00
2 to 2 1/2 ft., XXX f.g. 50.00

JACK
2 to 2 1/2 ft., XXX f.g. 35.00
2 1/2 to 3 ft., XXX f.g. 45.00

PONDEROSA
6 to 10 ins., XX f.g. 20.00
12 to 18 ins., XXX f.g. 25.00
18 to 24 ins., XXX f.g. 40.00

SHRUBS
LILAC ROTHOMAGENSIS Per 100 Per 1000
4 to 5 ft. \$40.00 \$380.00
3 to 4 ft. 30.00 280.00

ROOTED STRIPPERS, Cut to 8 ins. These will make 12 to 18-in. and 18 to 24-in. shrubs by fall. 4.50 40.00

PRIVET, AMUR EVER NORTH
18 to 24 ins., 2 and 3 c. 8.00 70.00
9 to 18 ins., light grade 4.50 40.00

PRIVET, THOMPSON
9 to 12 ins., br. 7.00 65.00
12 to 18 ins., br. 8.00 70.00

TREES
BLACK WALNUT Per 100
2 to 3 ft., trans. \$25.00
3 to 4 ft., trans. 40.00
4 to 5 ft., trans. 60.00

HARDWOOD CUTTINGS
LOMBARDY POPLAR, AMUR NORTH PRIVET, PERSIAN LILAC AND SPIRAEA BILJARDI (pink).
8 ins. \$4.00 per 1000

Packing at cost.
The following trees available in sizes from 5 ft. to 4 ins. in diameter: Green Ash, Common Birch, Hops Crab, Whitney Crab, American Elm, Chinese Elm, Hackberry, Honey Locust, Soft Maple, Mountain Ash, Lombardy Poplar, Redbud and Black Walnut.

Specimen Pfitzer and Savin Juniper available in large landscape sizes. Send us your want lists or write for complete price list.

NEBRASKA NURSERIES, INC.
4815 O St., Lincoln 8, Neb.

After filling our contracts we have the following seeds to offer:

Per lb.
Kentucky Coffee Tree \$0.50
Osage Orange 1.00
Russian Olive, C.S. 1.00
Red Cedar (J. Virg.), C.S. 5.00
Redbud 2.50
Privet, Sinense, D.B. 2.00

Write for quantity prices. Will be pleased to contract for 1946 crop.
RIGDON'S TREE SEEDS, Stillwater, Okla.

HALL'S HONEYSUCKLE (Lonicera Hal-lana Japonica), strong No. 1, 2-year, field-grown, 3 to 4 leads, 18 to 20 ins., carefully graded, selected plants, \$4.00 per 100, \$30.00 per 1000; lighter plants, \$20.00 per 1000. Immediate shipment.

MRS. CHARLIE ROBINSON, Greenville, Ga.

HARDWOOD CUTTINGS

Uniform length, 6 inches.

Per 1000
Cornus alba sibirica \$4.00
Cornus amomum 4.00
Cornus paniculata 4.00
Elder, Cutleaf 4.00
Foraythia intermedia 3.00
Lonicera maackii 4.00
Lonicera bella albidia 3.00
Lonicera bella rosea 4.00
Lonicera morrowi 3.00
Hydrangea P. G. 6.00
Philadelphus grandiflorus 4.00
Physocarpus opulifolius aureus 3.00
Ligustrum Rhota 3.00
Ligustrum, Regel (true) 3.00
Ligustrum, Amur North 3.00
Spiraea billardi rosea 3.00
Spiraea froebelii 2.00
Spiraea trichocarpa 3.00
Spiraea thunbergii 3.00
Spiraea vanhouttei 2.50
Populus, Lombardy 4.00
Willow, Niobe Weeping 4.00
Cash with order, please.

SCOTCH GROVE NURSERY
Scotch Grove, Iowa

A GORGEOUS NEW HARDY MUM,

TIFFANY ROSE.
A Carroll Gardens introduction. Double deep rose flowers with faint cream undertones remind one of the iridescence of Tiffany glass. The blending of these colors at the base of the petals forms a golden halo, adding much to the unusual effect of the 3-in. flowers. These lovely blooms are produced freely, on 18 and 24-in. uniform bushy plants from later September or early October. An excellent cut flower.

Potted plants, \$2.50 per 10, \$20.00 per 100; rooted cuttings, \$2.00 per doz., \$15.00 per 100. Send for our new trade list featuring over 100 other new and better varieties of hardy Chrysanthemums, and a complete selection of the new and better perennials, etc.

CARROLL GARDENS
Westminster, Md.

45 Lilac Charles X, O.R., 5 to 6 ft. \$0.75
35 Lilac Charles X, O.R., 4 to 5 ft.85
50 Lilac Charles X, O.R., 3 to 4 ft.55
10 Lilac Rothomagensis, 5 to 6 ft.50
25 Lilac Rothomagensis, 4 to 5 ft.50
25 Beauty Bush, 5 to 6 ft.75

Per 100 Per 1000
2500 Cumberland Tips, No. 1. \$5.00 \$45.00
1500 Cumberland Tips, No. 2. 3.50 32.50
200 Eldorado, 2 yrs. 5.00
300 Eldorado, 1 yr. 4.00
300 Mums, Dean Kay (field). 12.00 100.00
3000 Mums, Dean Kay, div. 3.50 30.00
500 Mums, Manantico, div. 4.00 35.00

Cash, F.O.B. Marshalltown, Ia.
WHELOCK WILSON NURSERY
Marshalltown, Ia.

ROSEBUSHES
2-year-old, field-grown. No. 1 selected plants:

Pink Radiance
Red Radiance
White American Beauty
Edith McFarland
Climbing Paul's Scarlet
Climbing Tallman
at \$50.00 per 100 in bundles of 10 of same variety. F.O.B. Tyler, Tex.

SOUTHLAND ROSE NURSERIES
Box 591, Tyler, Tex.

WHITE-FLOWERING DOGWOOD
Heavy, nursery-grown stock.

6 to 8 ft. \$1.50
8 to 10 ft. 2.00
10 to 12 ft. 2.50
Truck delivery at cost.

100 Acer Rubrum; 1 1/2 to 3-in. caliper, \$1.50 to \$4.00.
150 Pinus Resinosa, Thunbergi, Nigra and Sylvestris, 6 to 10 ft. Priced in ground.

COLES-RIGHTER CO.
298 S. Easton Rd., Glenside, Pa.

FOR SPRING DELIVERY—available 10 to 15 carloads Rhododendron maximum specimen plants, 2 to 4 ft. high. These plants collected from areas which were burnt over 4 years ago and all plants have plenty of canes and are fully furnished. These are fine plants for immediate landscaping.

ABBOTT'S GARDEN SERVICE
Box 208, Flushing, N. Y.

GRAPE MYRTLE
Red and White: 15 to 24 ins., 10c; 2 to 3 ft., 15c; 3 to 4 ft., 20c; 4 to 5 ft., 25c.
Pink: 12 to 18 ins., 10c; 18 to 24 ins., 15c; 3 to 4 ft., 20c.

Purple: 18 to 24 ins., 10c; 2 to 3 ft., 15c; 3 to 4 ft., 20c.
G. A. McKee NURSERY
Jacksonville, Tex.

A LIMITED NUMBER
OF LARGE SHADE TREES.
Red and Pin Oak,
American Elm and Maple,
A few large Apple Trees.
Buyer dig and transport.

LAUREL GARDENS
P. O. Box 664 Round Brook, N. J.

DOGWOOD (CORNUS FLORIDA).
Large, white, mammoth-flowered, good spread: 2 to 3 ft., \$10.00 per 100; 3 to 4 ft., \$15.00 per 100; 4 to 5 ft., \$25.00 per 100. Attractive price on 1000 lots or more.

MRS. CHARLIE ROBINSON, Greenville, Ga.

AMERICAN ORNAMENTAL TREES.
Liquidambar styraciflua (Sweet Gum), Red Maple, Red Cedar, Magnolia Glauca, Pine, Crab Apple and Snow Fringe Tree (Gray-beard), quality stock; No. 1, 2-year, \$15.00 per 100; No. 1, 3-year, \$20.00 per 100. Quantities for sale.

MRS. CHARLIE ROBINSON, Greenville, Ga.

ROSA MULTIFLORA JAPONICA SEED-LINGS—Thorny type, 3 to 4 mm., 4 to 6 mm., 6 to 8 mm. Write for prices stating quantity wanted. Wholesale trade list now available.

BROWN BROTHERS CO.
Brighton Sta. Rochester 16, N. Y.

35,000 Rosa Multiflora Japonica, thornless, 9-in. cuttings, \$7.00 per 1000, 1000 Rosa Multiflora Japonica, 2-yr., well rooted, well branched, 18 to 24 ins., \$12.00 per 100. 1500 Rosa Multiflora Japonica, 2-yr., well rooted, well branched, 3 to 3 ft., \$15.00 per 100.

FINGER LAKES NURSERIES, Geneva, N. Y.

SWEET SHRUB
(CALYCANTHUS FLORIDUS).
A large-leaved shrub with spicy, fragrant chocolate-colored flowers; 2 to 3 ft., \$15.00 per 100; 3 to 4 ft., \$20.00 per 100. Quality stock.

MRS. CHARLIE ROBINSON, Greenville, Ga.

Many varieties of Azaleas.
Grown in the highlands of East Tennessee.

DUNLAP NURSERIES
Knoxville 16, Tenn.

CAMPBELL TREE SEEDLINGS; 4 to 6 ins. high, \$4.00 per 100.

SAPP'S NURSERY & CAMELLIA FARM
P. O. Box 6, Waycross, Ga.

Climber Roses, Rambler Roses, Spiraea, Althaea, Symphoricarpos; 2-yr., field-grown, well branched. Few hundred each, \$25.00 per hundred. Few others. List. F.O.B.

MRS. R. GABLE, Haralson, Ga.

HARDWOOD CUTTINGS averaging 8 ins., \$3.50 per 1000. Norway, Northwestern and Lombardy Poplar; Golden Laurel and Peach-leaf Willow.

PEQUOT NURSERIES, Pequot Lakes, Minn.

BUXUS SUFFRUTICOSA.
Most beautiful plants, heavy, compact, perfect shape tops; 12 to 15 ins., \$50.00 per 100, 35c each in 1000 lots or more.

MRS. CHARLIE ROBINSON, Greenville, Ga.

LIGUSTRUM JAPONICUM SEEDLINGS
cut back to 12 ins., \$6.00 per 100, \$50.00 per 1000. White Dogwood, 3 to 3 ft., same price.

PINE RIDGE NURSERY
R. 2, Marshville, N. C.

Container-grown CAMELIAS of Merit
Write for List of
the Best from the Far West.

J. S. TORMEY
Tormey's Gardens, Temple City, Cal.

Surplus Stock
can be easily and quickly turned into
Cash
listing it in the
American Nurseryman Classified Ads.

MISCELLANEOUS

PEACH, popular varieties, 12 to 18 ins., 15c; 18 to 24 ins., 17 1/2c; 24 to 30 ins., 25c; 30 to 36 ins., 35c; 36 to 48 ins., 50c; 4 to 5 ft., 75c; 6 to 7 ft., \$1.00.

ROSES, 2-yr., No. 1, 50c; No. 2, 45c; 1-yr. forced buds, 5c ea. less. Most standard varieties.

AUSTIN DEWBERRIES, \$12.50 per 1000. Also Plums, Apples, Figs, Grapes, Blackberries, Youngberries, Boysenberries, Canas, Pecans, Persimmons and many others. Write for list.

FRIQU FLORAL & NURSERY, Cleburne, Tex.

Rare, orange-red, summer-blooming Prunifolia Azaleas; fragrant, white, summer-blooming Arboreus Azaleas; 3 ft., \$3.50 ea.; 3 ft., \$5.00 ea. B.B. Highbush Blueberries of outstanding quality, bred up for years from selected native plants, 4-yr., \$3.50 ea.; 2-yr., \$2.50 ea.; 1-yr., \$1.00 ea. All plants in dozen lots. Prices F.O.B. Hamilton, Ga.

MRS. CASON CALLOWAY, Blue Springs Farms, Hamilton, Ga.

1946 crop PEACH PITS, southern collected. High germination. Small seeds, \$3.50 per bu.; medium, \$1.50 per bu.; large, \$2.00 per bu. Chinese Arborvitae seeds, \$2.00 per lb. Peach, Plum, Apricot, 1 ft., 20c; 2 ft., 30c; 3 ft., 40c; 4 ft., 60c; 5 ft., 70c; 6 ft., 80c. Seedling peach trees for grafting or budding, \$25.00 per 1000, \$3.00 per 100. Cash with order. Riverdale Nurseries, Riverdale, Ga.

35,000 Sycamore Trees, also Shrubs; 100,000 8-in. cuttings; 10,000 lbs. Kentucky Coffee Beans, 25c per lb.; Osage Orange, 70c; Sycamore Platinus, 40c; Alanthus, 10c; Regal's and Amur River North Privet, 70c; Catalpa, 70c.

SCHROEDER NURSERY CO.
Granite City, Ill.

MISCELLANEOUS—Continued

Per 1000
10,000 Rockhill Strawberry plants.....\$50.00
1000 Martha Washington Raspberry... 60.00
100 Cotoneaster Francheti; well
berried.....150.00
2000 Boxwood, 12 ins., 5 yrs., \$25.00 per 100.
B. NYSATER, R. 2, Box 103, Bothell, Wash.

LAWTON BLACKBERRY, No. 1 Rooted
cuttings, \$3.50 per 100; \$30.00 per 1000;
packed to ship.

LONICERA HECKROTTI HONEYSUCKLE,
2 and 3-yr. heavy, \$3.50 per 10; \$30.00 per
100, packed. WOODS & REY NURSERY,
3316 Belle Isle Ave., Oklahoma City, Okla.

DECORATIVES

AMERICA'S FINEST NATURAL CONES.
Southern's fresh, wide-open, ideal for deco-
ratives. Pine cones, Gum balls, Cotton and
Chinaberry pods, \$15.00 per 1000; 2000 for
\$25.00.

MRS. CHARLIE ROBINSON, Greenville, Ga.

GREENS

Nice Green branches cut 18 to 30 ins. in
length; Gardenia, red Cedar and long Pine
Needles, \$5.00 per 100.

MRS. CHARLIE ROBINSON, Greenville, Ga.

SUPPLIES

STAKES—Bamboo

Carefully Selected—Dyed Dark Green.

Uniform Pencil Thickness.

No. G-31	2 ft.	Bale of 2000.....	\$10.95
No. G-32	2 1/2 ft.	Bale of 2000.....	13.90
No. G-33	3 ft.	Bale of 2000.....	16.55
No. G-34	3 1/2 ft.	Bale of 2000.....	19.45
No. G-35	4 ft.	Bale of 2000.....	22.35

TONKIN STAKES—Bamboo

No. G-41	3 ft.	Bale of 1000.....	\$ 9.85
No. G-42	3 1/2 ft.	Bale of 600.....	7.75
No. G-43	4 ft.	Bale of 500.....	8.70
No. G-44	5 ft.	Bale of 500.....	11.95
No. G-45	6 ft.	Bale of 500.....	13.75
No. G-46	7 ft.	Bale of 200.....	7.70

We cannot break bales.

Quantity discounts, 10 to 24 Bales, 5 per cent.

25 Bales or more, 7 1/2 per cent.

SCHUPP SUPPLY CO., Wilmette, Ill.

MEL-LO PEAT

A pure Sedge Peat, weedless, odorless, no
inert matter. Contains 2 to 2 1/2 per cent
nitrogen, 50 per cent humus; acidity, 5.3 to
5.5. Excellent for seedlings, hardwood and
softwood cuttings, transplanting evergreens
and shrubs and ideal for top-dressing lawns.
1 to 10 2-bu. bags, f.o.b.....\$1.25
11 to 51 2-bu. bags, f.o.b.....1.10
51 to 100 2-bu. bags, f.o.b.....1.00
101 to 200 2-bu. bags, f.o.b......96

Mel-lo Peat is milled and duffed by a
special process, ready to use. Adopted by the
universities, agricultural colleges, nurseries
and landscape gardeners. Accept no substi-
tutes; demand Mel-lo Peat. Our guarantee,
check with order, prompt shipment. Wire,
phone or write.

MEL-LO PEAT CO. Elyria, Ohio

KNOCK-DOWN FLATS.

Made from a good grade of Southern Yel-
low Pine, since Cypress is not available.
Standard specifications, inside measurements.
16x12x2 1/2\$11.25 per 100
16x14x3 1/214.25 per 100
20x14x2 1/214.00 per 100
20x14x3 1/216.25 per 100
22 1/2 x15x2 1/215.75 per 100
22 1/2 x15x3 1/218.00 per 100

All other sizes quoted on request. Prices
F.O.B. Birmingham.

We are manufacturers, not jobbers. Freight
to any point is a small item per Flat. Our
Flats are the best. Why pay more? Our
quality guaranteed. Prompt shipment, any
quantity. Attach check to order.

HIGHTOWER BOX & TANK CO.

Birmingham, Ala.

PROFIT WITH PERF-O-RAIN.

Rain when you want it—low pressure—
rectangular strip watered—No overlap—No
sprinkler heads or other gadgets—Portable
lightweight pipe—Long life. Write for free
folder. W. R. AMES COMPANY OF FLOR-
IDA, 3905 E. Broadway, Tampa 5, Florida,
or W. R. AMES COMPANY, 150 Hooper St.,
San Francisco 7, Calif.

SOIL HEATING EQUIPMENT.

Designed by a nurseryman and engineer
for commercial propagation. Cable, soil
thermostat and pilot lamp to heat 20 sq. ft.,
\$9.70; 40 sq. ft., \$12.10; 60 sq. ft., \$14.50; 80
sq. ft., \$16.90; 160 sq. ft., \$24.30. F.O.B.
Seattle. L. N. ROBERSON CO., 1559 E.
103rd St., Seattle 56, Wash.

RUBBER. Your Rubber requirements are
important. Know where to get it when you
want it. Belts, rubber bands, boots, coats,
gloves, hose, spray bulbs, aprons, budding
strips. Get our price sheet and catalog today.

BROADWAY RUBBER MFG. CO.

Louisville 2, Ky.

GIBALTAR Frost Covers pay for them-
selves. Economical, long-lasting, ideal for
windbreaks, 6 ft. wide; 50 ft., \$13.75; 100 ft.,
\$26.00; 150 ft., \$39.00. NEW AMSTERDAM
IMPORT, 122 Chambers St., New York 7, N.Y.

STEEL TUBULAR STAKES

Place orders now to meet your early spring
sales, together with your own nursery re-
quirements. 1/4-in. copperized to prevent rust-
ing, 2c per ft.; 3/8-in. plain, 3c per ft. 1/2-in.
plain, 4c per ft.; less 20 per cent. Made up
in any length. Samples mailed.

H. HOENBERGER, Box 253F, Monroe, N.Y.

CEDAR STAKES last a long time. Price
per 100: 6-ft., \$15.00; 5-ft., \$13.00; 4-ft.,
\$11.00; 3-ft., \$9.00; 2-ft., \$7.00. Shipped
F.O.B. on cash with order. J. MILLER
POTTER NURSERY, East Springfield, N. Y.

COTTONETTE Squares are best for balling.

Saves time and twine. All sizes in stock.

Write NEW AMSTERDAM IMPORT

122 Chambers St., New York 7, N. Y.

WANTED

WANTED

100 Cornus Florida Rubra, about 1 ft.

100 Weigela Eva Rathke, 2-ft. liners.

100 Buddiea Eleanor, lining-out sizes.

100 Malus (Bechtel's Flowering Crab), 1 to
2-ft. liners.

100 Kolkwitzia Amabilis (Beauty Bush),
liners.

100 Blue Spruce, Kosterl, 1-ft. liners.

100 Philadelphus Virginialis, liners.

WHERRY'S NURSERIES, St. Marys, W. Va.

WANTED

Norway Spruce, Scotch Pine or other seed-
lings or transplants suitable for Christmas

Tree planting. Quote prices.

JOHN H. WARNECKE, FLORIST

\$200 W. Fort St., Detroit 8, Mich.

TREES WANTED—Liners up to 18 ins.

Norway and Black Hills Spruce. Hybrid

Rhododendrons, all sizes. Shade tree whips

up to 6 ft.

DUNLAP NURSERIES, Knoxville 16, Tenn.

WANTED

2000, more or less, rooted Quince cuttings.

TRAUERNICHT NURSERY CO.

400 No. Sylvania Ave.

Ft. Worth 3, Texas.

WANTED to buy—Low bed trailer suitable

for hauling tractor, bulldozer, trees, etc. Ca-

capacity at least 3 tons. Please describe com-

pletely and give lowest price. Reply Box 398,

care of American Nurseryman.

WANTED

5000 Azaleas, Indica and Kurume liners.

20,000 Camellia liners, standard varieties.

10,000 Sasanqua Camellias

SCHNEIDER'S NURSERY, Bogalusa, La.

WANTED

Multiflora Jap. Rose Seeds.

Cleaned or in berry.

LESTER F. SQUARE

Painesville, O.

WANTED.

Shrubs for landscaping. All sizes; any

quantity. Give details as to location and

price. Cash waiting. Address Box No. 388,

care of American Nurseryman.

WANTED.

Veteran wants 1000 Nandina seedlings.

CHARLES W. ALLISON, JR.

Box 412, Charlotte 1, N. C.

KILL WEEDS IN ROW CROPS
WITH FLAME CULTIVATOR.

During the past summer at the
Cornell experiment station, Ithaca,
N. Y., tests were made with a com-
mercially developed "flame cultiva-
tor" for the purpose of determining
how effective the machine would
be on typical New York state crops.
The results are reported by Forrest
B. Wright, of the school of engine-
neering, in New York Nursery Notes.

The machine is designed to be
mounted on a tractor and consists of
a compressor, fuel tank, ignition sys-
tem and four burners, which are
drawn on runners between the rows.
The burners produce a hot blow-
torch type of flame about two inches
in diameter at the nozzle and two
feet long. A burner is mounted on
each side of two rows, with the
flames directed across the rows.

The operation of the weed killer

Standardized
Plant Names

Lists approved scientific and
common names of plants in
American commerce or use.

90,000 entries

Nearly 700 pages

Should be on the desk of every buyer
and seller of plants—when you pre-
pare your catalogue, when you check
contract specifications, when you or-
der from catalogues or price lists,
when you seek the correct botanical
or common name of any plant.

\$10.50 per copy

Order from

AMERICAN NURSERYMAN

343 S. Dearborn St.,

Chicago 4, Ill.

is dependent upon the fact that small
tender plants can be killed with a
shorter exposure to the flame than
can large plants. The object is to
apply only enough heat to rupture
the cells of the weeds, thus causing
wilting, dehydration and eventually
destruction.

At Cornell the machine was used
on corn, green beans, soybeans, peas,
cabbage and spinach with varying
results. The best results were ob-
tained on corn and the poorest re-
sults on spinach. The experiments
to date indicate that it is entirely
possible to kill practically all of the
weeds in corn and not injure the
corn if the crop is several inches
taller than the weeds. In the case
of spinach the crop plant seems to
be less resistant to heat than most
of the common weeds; therefore, it
is difficult, if not impossible, to kill
even small weeds without doing se-
rious damage to the spinach crop.

The other crops on which the
burners were tried showed results
ranging between those of the corn
and the spinach.

It may be entirely possible suc-
cessfully and economically to burn
weeds out of nursery stock where the
nursery plants have a stem larger
than the stems of the weeds and
where the foliage is high enough to

permit application of the flame at ground level.

The manufacturers of this machine claim an advantage of "flame cultivation" over ordinary cultivation in that flame cultivation does not disturb the soil and thereby bring more weed seeds up into the germination zone; therefore, once the first weed crop has been killed there will be no more weeds for the season. The experiments at Cornell tend to substantiate this claim.

WASH STORM, JR., Premont, Tex., has opened the Storm Nursery. He formerly operated the Southwestern Nursery & Landscape Co., at Alice, Tex., and for the past four years has been in the army.

HAVING had experience in several countries in Europe and the Far East, **E. Sochting**, Winnipeg, Man., recently assumed his duties in the propagation department of the North-West Nursery Co., Valley City, N. D.

THE Kal-Adams Landscape & Nursery Co. has been opened at 923 West Hintington drive, Monrovia, Cal., by **John B. Adams**, landscape architect, and **M. V. Kaltenbach**, a horticulturist specializing in ornamentals.

HAROLD C. POYER, former district landscape engineer with the Illinois state highway department, has been released from army duty and will take a position with the **Coe, Converse & Edwards Co.**, Fort Atkinson, Wis. At the time of his discharge he held the rank of lieutenant colonel.

DR. CLYDE C. HAMILTON has returned to his position in the department of entomology at the New Jersey agricultural experiment station, New Brunswick. Since March, 1943, he had been employed in the chemicals and fertilizers branch of War Food Administration, at Washington, D. C. For several years Dr. Hamilton edited "Entoma", official publication of the eastern branch of American Association of Economic Entomologists.

FOR SALE—A well established nursery and greenhouse; good business location on main highway between two large cities in eastern Ohio. For details write Box 402, care of American Nurseryman.

NURSERY FOR SALE
Buildings, including residence, land, equipment and stock. Invoiced at \$28,419.25. Quick selling price, \$20,500.00.
IOWA NURSERY & LANDSCAPE CO.
Le Mars, Ia.

GARDENER WANTED—To handle tree planting, pruning, spraying, as well as some general nursery work; no selling. Permanent position in small town near Evansville, Ind. Prefer married man who likes children and has good character references. Will provide small house, rent free. Write, giving age, experience, starting salary expected and how soon available. Address P. O. Box 394, Evansville 4, Ind.

WANT ADS

Help and Situation Wanted and For Sale advertisements.

Display: \$2.50 per inch, each insertion. Liners: 20¢ line; minimum order \$1.00

HELP WANTED

Perennial Grower

Must understand propagation and growing complete line of new and better varieties of perennials. State all details in your first letter as to salary expected, etc. Year-around position. Fine opportunity with a future for the right man.

CARROLL GARDENS

Box 310
Westminster, Md.

HELP WANTED

Landscape Salesman

If you are a good salesman, can draw attractive landscape plans, have initiative and can command men, you have an exceptional opportunity to mold a successful future for yourself with a prosperous and fast-growing nursery just starting a landscape department. Plenty of fine nursery stock; complete line of equipment for any size job; large and prosperous territory with little competition.

OZARKS PLANT FARMS, INC.
Springfield, Mo.

HELP WANTED

Sales Ground Manager.

We are opening a sales ground on superhighway 20 miles from Boston. Excellent opportunity, good pay. Give education, experience and references. Write to **LANDSCAPE SERVICE CO.**, 129 Concord St., Framingham, Mass.

HELP WANTED

Manager for nursery sales grounds in eastern Pennsylvania. Permanent position offering unusual opportunity for development for a man with sales and merchandising ability who can manage helpers. Address Box No. 403, care of American Nurseryman.

HELP WANTED

Man or woman with nursery office experience needed by landscape nursery at Denver. Must be familiar with nursery stock, able to handle simple bookkeeping, some typing and shorthand, phone orders, with minimum supervision. Write, enclosing picture, telling age, qualifications, expected salary. Address Box 409, care of American Nurseryman.

HELP WANTED—Working foreman for retail landscape nursery. Reference required. House will be available later.
STEELE'S NURSERIES, Palmyra, N. J.

HELP WANTED—Tree expert to act as foreman for established business in Nassau county, N. Y. References required; state wages and experience. Address Box No. 399, care of American Nurseryman.

HELP WANTED—Young working foreman with sales ability for well established nursery business in midwest area. Good salary. Give experience and references in first letter. Address Box No. 405, care of American Nurseryman.

MAN WANTED—To take charge of small nursery. Can use someone with some experience, but must be reliable and willing to work. Evergreen Nurseries, 110 Majestic Bldg., Milwaukee 2, Wis.

FOR SALE

Small Nursery for Sale. 20 years in business. Located at county seat, city of 15,000, serving a prosperous dairy section of northern Iowa and southern Minnesota. Modern 5-room house, storage cellar, garage, six acres of ideal nursery soil, about 2,000 landscape evergreens of salable size, several hundred shade trees 2 to 5-in. diameter, assortment of shrubs, perennials and lining-out materials. Price \$16,000.00. Address Box 407, care of American Nurseryman.

NURSERY FOR SALE

50x50 storage, residence, 40 acres of land, office, barn, tenant house, and all nursery stock on land, tools, implements, team, located on main highway out of Muskogee, Okla., \$12,500.00; half cash.

SNEED NURSERY COMPANY
P. O. Box 798 Oklahoma City 1, Okla.

PARTNER WANTED

With small investment, experienced in landscaping and nursery, not afraid of putting in time. This is an old established business. This nursery is located 7 miles from public square, Cleveland. Also for sale or lease, 6948 Brecksville Rd., Cleveland, O. Phone: Independence 3621.

PARTNER WANTED

Rare opportunity for young nurseryman. Become equal partner in established business, wholesale and retail, located in heart of prosperous trade territory. Very little competition. One of best potential mail-order outlets in nation. Investigation worth while. Address Box No. 390, American Nurseryman.

SALESMAN WANTED

Old established tree-moving company in Boston area wishes representative with clientele; must be capable of selling tree-moving and tree work to individuals, cities and towns; excellent opportunities for advancement; remuneration arranged. In replying please give complete details. Address Box No. 406, care of American Nurseryman.

FOREMAN WANTED

Denver landscape nursery wants experienced general foreman and planting foreman capable in propagating, planting, packing, shipping and sales ground selling. Write, enclosing your picture, telling age, qualifications, expected salary. Address Box 408, care American Nurseryman.

HELP WANTED

Office manager for staff of 20 in ornamental mail-order nursery in eastern Pennsylvania. Permanent position. Requires ability as executive and sales correspondent. Accounting unnecessary.

Address Box 404, care of American Nurseryman.

HELP WANTED

Tree surgery foreman.
Landscape foreman.

For firm established 25 years. Permanent year-around position. Apply by letter giving full information.

GEORGE F. BLOOMER
192 Main St. Flemington, N. J.

OHIO CONVENTION.

[Continued from page 14.]

was a short discussion of the national advertising campaign being sponsored by Vigoro, the plant food division of Swift & Co. Planting sketches which the firm is sponsoring were displayed.

"Educational Training for Nurserymen and Nursery Employees" was discussed by Prof. Alex Laurie, department of horticulture, Ohio State University. Prof. Laurie outlined the setup of the department of horticulture. Both 2-year and 4-year courses are offered. The 4-year course leads to a B. S. degree. Graduates of the 2-year course are given a certificate. Basic courses such as botany, chemistry, soils, pathology and entomology are considered a necessity. More such courses are given in the 4-year course than in the abbreviated 2-year course. Horticultural courses of interest to nurserymen include two courses in plant propagation, three courses in woody plant materials, one course in garden flowers and one course in each of the following subjects: Arboriculture, nursery management, landscape design and marketing of horticultural products and services. Several related subjects, such as business administration, agronomy and agricultural engineering, are specified electives. Special problems and a seminar complete the setup.

Additional activities of the staff members include the staging of short courses and experiment station and extension work. An active committee of nurserymen could aid in the development of research projects. Demonstration plots at nurseries would make the extension work more effective. Additional activities of the staff members include secretaryship of various organizations and preparation of bulletins, books and other publications of interest to the trade.

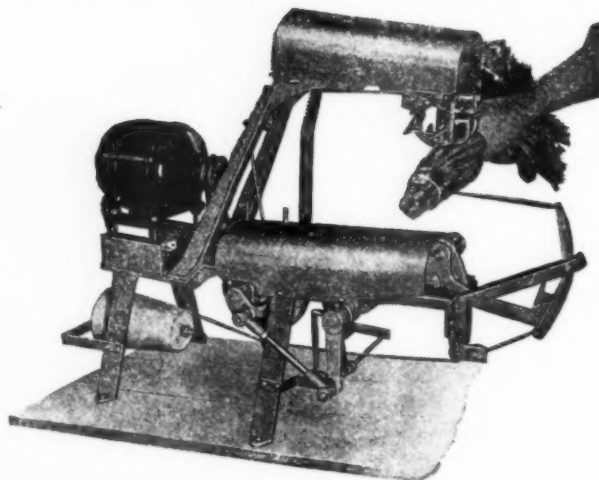
Professor Laurie stressed the fact that the department of horticulture at Ohio State University was doing all within its power to aid and be of service to returning GI's. Many of the horticultural courses are being repeated each quarter to allow the GI to get the courses he desires in the shortest time.

Additional personnel and equipment are needed if the interests of the nursery and landscape trade are to be served to the fullest extent. The Ohio Nurserymen's Association pledged support in the development of a more extensive program.

The afternoon session opened with a round-table discussion of "Experiments with the Use of DDT." Dr. R. R. Whitten and Dr. D. E. Parker,

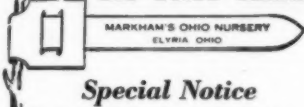


with **FELINS ELECTRIC BUNCH TYER**
FOR — BUNCH VEGETABLES, CUT FLOWERS, NURSERY STOCK



FELINS · Milwaukee 6, Wis.

ZIP-STAY LABELS



MARKHAM'S OHIO NURSERY

ELYRIA, OHIO

Special Notice

We have received our first shipment of **JUTE FIBER** paper since the war. This material is superior to any we have been able to obtain previously and is ideal for marking perennials as well as shrubs, trees and evergreens.

PRINTED LABELS — Advertising, plant name and color-banded.

Please send for prices and samples.

MARKHAM'S OHIO NURSERY, Elyria, Ohio

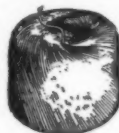
PEAT

Now booking bulk car shipments for 1946 spring and summer delivery of Black cultivated Peat and Moss Peats.

"Quality Peats for all Purposes."

ELI COLBY COMPANY

Hanlontown, Iowa

NURSERY
TWINES

2-PLY "ISTLE"
Similar to Sisal.

10-lb. BALLS—
each (27c lb.)
\$2.70

50-lb. REELS—
each (25½c lb.)
\$12.75



We have **SISAL ROPES**—¼-in up to ¾-in.

Schupp FLORIST SUPPLY CO.
Dept. A Wilmette, Ill.



For Treating
Cuttings
and Seeds
Bulbs and Tubers

Scientific Growth Stimulant

Write for Free Booklet

SCHUYLKILL CHEMICAL CO. 2346 Sedgeley Ave.
Philadelphia 32, Pa.

of the bureau of entomology and plant quarantine, answered several questions on the control of pests on ornamental plants by the use of DDT. It appears that DDT will have a definite place in future programs designed for the control of shade tree insects. Much research remains to be done to determine the best formulations, dosages and methods of application. Indications are that DDT is more effective when applied in solutions and emulsions than when applied in suspensions.

Experimental tests have indicated that DDT, when properly applied, is effective in controlling the following pests: Fall cankerworm, gypsy moth, spruce budworm, elm leaf beetle, locust leaf miner, willow leaf beetle, pine sawfly, boxwood leaf miner, European elm scale and locust borer.

Prof. L. C. Chadwick presented a review of "What Recent Chemical Developments Have Produced in Weed Control." Information gathered from various sources was presented. A mimeographed bulletin on the subject, prepared by Dr. C. J. Willard, of the agronomy department and member of the research committee of the North Central States Weed Control Conference, was distributed.

The use of Ammate (ammonium sulphamate) as a control for poison ivy was discussed briefly. The material should be applied when the foliage is well developed. Three-fourths of a pound per gallon, with one to three gallons applied to 100 square feet, was recommended. Ammate is not a fire hazard, is not toxic to stock and usually has little effect on the soil. This material has also been recommended to control, among others, bindweed, Canada thistle, chokecherry, dewberry, wild blackberry and goldenrod.

Mention was made of the possible use of the new chemical dinitroortho secondary butylphenol. At present this material has been used mostly to clean up weeds along roadsides and fence rows and for killing potato vines previous to digging.

Most emphasis was placed on the use of 2, 4-dichlorophenoxyacetic acid, or 2,4-D for short. This material is sold under several trade names, of which Weedone, Weedicide and Weedanol are examples.

The material is available in the acid form or it can be combined with alcohols and alkalis to produce esters and salts. The acid form is insoluble in water, but it can be dissolved in Carbowax, which is miscible with solvents and wetting agents. Several salts of the acid are available. These are soluble in water. The esters are miscible with solvents and are per-

Cloverset Pots

**Help You Grow Better Stock
Help You Make More Profit
Bring Your Business Up-to-date**
**For Roses, Perennials, Chrysanthemums, Vines,
Shrubs and Fruit Trees**



Patent No. 2073695

[Cloverset Pots are made of
Asphalt Impregnated Felt.]

PLANTS ARE EASILY REMOVED FROM CLOVERSET POTS. No hatchets or can openers needed.

THEY ARE DURABLE. They are durable enough to permit growing your plants in them the entire growing season.

THEY ARE LIGHT. They are light enough (they weigh only 1/20 as much as a clay pot of equal soil capacity) to be easily handled.

THEY DO NOT DRY OUT. They are non-porous, which means they will not dry out quickly on hot or windy days, and therefore do not require constant watering as does a clay pot.

THEY MAKE THE PLANT LOOK LARGER AND BETTER. They are so finished in appearance that they add to the attractiveness of the plant grown in them.

LARGE SOIL CAPACITY. They are large enough to comfortably accommodate the roots in a natural position of any No. 1 Rose Plant and all the most salable size shrubs and small trees.

THEY ARE CHEAP IN PRICE. They are so cheap that they can be given away with the plant which insures the safe arrival, in first class condition, of the plant grown in them, to its final destination.

THEY MAKE THE NURSERY BUSINESS AN ALL SUMMER BUSINESS. They permit the nurseryman to extend his selling season from early Spring through the Summer and Fall, and to plant Roses and other nursery stock grown in them even in the hottest Summer weather without the least sign of wilt of either the foliage or the blooms.

YOU CAN SELL YOUR PLANTS IN BLOOM. By growing your stock in our pots you may sell it in full foliage and in Full Bloom, when it will command the best price and more profit.

CLOVERSET POTS are the ideal medium for cash and carry sales.

Write for free circulars and catalog giving description, size and price lists and technical instructions for use. Sample carton, all sizes, standard heavy weight, 25c. Write today, send your problems, inquiries and requests for information and we will try to assist you from our experience and the experiences of users throughout the country.

URGENT REQUEST AND NOTICE:

Spring needs should be anticipated early. Freight shipments are slow and express should not be requested unless weights and cost have been checked. We are making prompt shipments, but users waiting too long to book orders may meet with disappointment if demands for spring needs will flood our office at late dates.

CLOVERSET FLOWER FARM

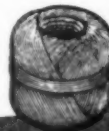
Ernest Haysler & Son

105th Street and Broadway,

Kansas City 5, Missouri

Here's our problem... What do you recommend?

Before the war disrupted supplies of Nursery Twines, such inquiries were meat and drink to us. Too often during the war years it has not been possible to make either an intelligent recommendation or any kind of delivery. Now that supplies are again becoming available, it will be a pleasure to recommend and supply the Twines required for the needs of the greatly expanded postwar Nursery Industry.



"SINCE 1840"

GEO. B. CARPENTER & CO.

haps the most active. They may not be the most effective, however.

Materials are used in very small quantities; 0.1 or 0.15 per cent solutions are usually recommended. One gallon of spray covers about 200 square feet. Weeds are most easily killed when they are growing rapidly and when the soil is moist. Apply the material as a fine spray on warm days.

Dandelions and plantain are readily controlled in lawn areas. Lawns should be reseeded and fertilized to encourage the growth of the lawn grasses; otherwise crab grass may take over the bare spots left by the death of the weeds.

Other weeds controlled are chickweed, bindweed, ground ivy, black medic and such things as Hall's honeysuckle and locust sprouts. Complete control has not always been obtained with Canada thistle and poison ivy. General lawn grasses are not injured, but clover and bent are injured or killed.

Professor Chadwick reviewed the possibilities of the use of 2,4-D as a weed control in nursery blocks. Reference was made to the article in the American Nurseryman of December 1, 1945, which showed many perennials, small liners and several mature plants to be injured or killed. At present it should be used with caution in nursery blocks.

The convention was brought to a close by the report of temporary committees and the selection of Painesville as the location of the summer meeting.

A. A. N. Chapter Meeting.

The Ohio chapter of the American Association of Nurserymen met at a noon luncheon, January 21, to listen to a report of association affairs by President A. H. Hill and a report of the recent Chicago meeting of delegates. Officers elected were Roger Champion, president; Tom Kyle, vice-president, and John Siebenthaler, secretary. Delegates to the board of governors elected were: Thomas Kyle, Bohlender Nurseries Co., Tipp City; Ed Jenkins, Jenkins Nurseries, Winton, and Elmer Heitmeyer, Heitmeyer Nursery, Cincinnati. Howard Scarff, of W. N. Scarff's Sons, New Carlisle, and Frank Turner, Berryhill Nursery Co., Springfield, are the delegates carried over from 1945.

F. A. DOERFLER, of F. A. Doerfler & Sons, Salem, Ore., who is a director and chairman of the agricultural committee of the Salem chamber of commerce, last year served as a director of the Oregon Reclamation Congress and was one of two delegates representing the chamber

Better COMPOST QUICK - EASY - AT LOW COST!



The WICHITA GRINDING SCREEN

Combination Grinder & Screen of many uses

Shreds! Grinds!
Screens! Mixes!

★ Exceptional feature discards rocks from opening indicated by arrow.

The Wichita Grinding Screen has speed, simplicity, toughness and economy. The Wichita Wonder Compost Grinder is easy to operate. Low cost, low upkeep, low power.

DEPENDABLE . . . We guarantee the Wichita Grinding Screen to mix with open adjustments any compost material, no matter how wet or gummy. It will shred thoroughly and grind tough materials.

Write for FREE circular on compost, free information on various models. There is a W-W just right for your own needs.

W-W GRINDER CORP.
Dept. F Wichita, Kansas

HOUSING BOOM WILL INCLUDE PLANTING

Tremendous sums will be spent for homes and landscaping in the next few years. You know plants. Can you plan the planting of a home or an estate? Others like you are increasing their services to the public.

You may complete American Landscape School's practical, thorough home study course in 8 to 12 months. 46 clearly printed and illustrated lessons cover every landscaping problem. Instruction in landscape gardening, planning the landscaping of homes, estates, subdivisions, cemeteries, etc. Many a nursery worker has pushed his pay upward, has become a more valuable employee, with this tested course and our continuous free consultation service. Thousands of graduates testify to 30 years of successful teaching.

Investigate today. Send for free booklet, "Success thru Landscape Training."

AMERICAN LANDSCAPE SCHOOL 6350 Grand Ave.,
DES MOINES, IOWA



FULLER WHEEL HOE

MULCHES, WEEDS,
CULTIVATES

For close work in rows.
Adjusts to operator's height. 6-ft. ash handle; 8-in. bushed malleable wheel; tool steel blades, choice 6 to 14 ins. wide. Weighs 10 lbs.

FULLER
WHEEL HOE CO.
So. Hamilton, Mass.



at the National Reclamation Congress at Denver.

THE POINT LOMA NURSERY has been moved from 1308 Greenwood street, North San Diego, Cal.,

DOWAX

★ Extends transplanting season

★ Reduces losses



DOW

AGRICULTURAL CHEMICALS DIVISION
THE DOW CHEMICAL COMPANY
MIDLAND, MICHIGAN

to a corner of Moreno boulevard and Greenwood street, San Diego 10, where the firm has built new lath houses and has acquired a larger parking area, according to Paul Kleinsorge.

NEW JERSEY MEETING.

[Continued from page 10.]

wholesale growers and distributors to back the landscape men whenever the opportunity presents. Recommend good landscape men (you know them) to the prospects who appreciate good plants and good plant composition and are looking for men able to supply it.

"Your committee expects to call upon all garden club members and horticulturally minded individuals to help us find that part of our market that is ready.

"Your committee has under consideration a number of incentive-inspiring programs for our landscape men and their customers.

"There is a job to be done.

"The general public has a right to expect the nursery industry to do it. It can be the means of great increase in business for the whole industry. As Fred Allen would say: 'Shall we go?'"

Mr. Jennings' report was accepted with thanks by the group and referred to the executive committee for action. Other members of the committee are William Hallicy, Ronald de Wilde, Jr., and Paul Hoverman.

Offer Resolutions.

The resolutions committee, headed by L. C. Schubert, presented three resolutions, all of which were adopted. These favored a request for a new agricultural science building at Rutgers University, the licensing by the New Jersey department of agriculture of dealers in insecticides, fungicides and biologicals used for animal and plant pest control, and the reestablishment of rules and regulations by the United States Department of Agriculture on importation of plant materials from abroad.

Applications for membership from Jacob de Groot, Little Falls, and Alex H. Walsh, Jr., Livingston, were accepted and referred to the executive committee for action.

William Hallicy and Kurt Meyer, two members who recently returned from long service with the Seabees, gave interesting accounts of their experiences in the south Pacific area.

John W. Baringer, newly appointed director of research for the A. A. N., ably substituted for Dr. R. P. White, who was unable to attend. Mr. Baringer discussed the planned publicity program of the A. A. N. in considerable detail and described some of the legislative and reorganization problems which lie ahead.

The outstanding talk of the day

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was "Postwar Economic Problems Confronting Business," by J. K. Horner, of the Babson Institute of Business Administration. No attempt will be made to summarize this interesting talk here, inasmuch as it will be presented in its entirety in a forthcoming issue of the American Nurseryman. The only comment needed here is that it was an address which will long be remembered by those who heard it. The audience appeared to be nearly 100 per cent convinced by Mr. Horner's statements and arguments. His excellent delivery helped to put his subject over.

Plans for a state-wide home beautification contest to be run jointly by the N. J. A. N. and the New Jersey extension service were briefly outlined by Prof. R. B. Farnham, of New Brunswick. The idea is to offer prizes among the 16,000 4-H Club boys and girls in the state for the best project completed by a boy and girl member. While no final plans were drawn up, it is proposed that the association offer two cash awards and that the extension service run the project. Final plans will be presented to a committee headed by L. C. Schubert, Ernest Turner and William Hallicy, within a month, and the first awards will be made at the 1947 winter meeting. Details of the plan will be announced in the American Nurseryman in a few months.

Among the out-of-state nurserymen present were Frank LaBar and Russell Harmon, of Stroudsburg, Pa., and George Young, W. F. Oliver and T. Lind, of Morrisville, Pa. Mr. LaBar commended the New Jersey nurserymen and William Hallicy in particular for the fine publicity resulting from the incident in which neighboring nurserymen donated stock to help Mr. Hallicy, just returned from the armed forces, get started again after fire had ruined his entire stock and equipment. "All the money in the world could not buy such publicity, which appealed to every reader in the country," he said. Mr. Hallicy has appeared on the "We the People" broadcast and was written up in Reader's Digest and many other publications.

At a meeting of the New Jersey chapter of the A. A. N. following the N. J. A. N. meeting, George C. White was elected president of the chapter. The members present voted to instruct the New Jersey delegates to vote for Howard Taylor, Eastview, N. Y., as a member of the A. A. N. executive committee.

HYMAN SALINSKY, Detroit, Mich., is again doing landscape work at the East Side Nursery.



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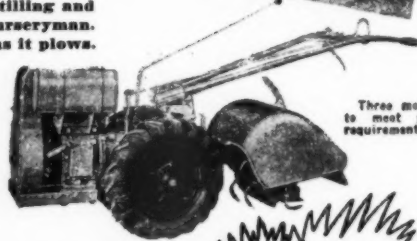
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NEW ENGLAND MEETING.

[Continued from page 11.]

divulged his identity as the famous Batiste from Canada of radio fame and entertained the assembly for a half hour with stories and witty remarks.

At the Tuesday morning session, January 22, the report of the educational committee, presented by Chairman Cornelius P. Van Tol, offered two recommendations, (1) that the educational program be continued and if possible a full day be allotted to it, and (2) that the executive committee be instructed to study carefully the advisability of opening the educational program to nonmembers at a registration fee of \$2 or any other suitable sum, in order to advertise the activities of the organization and perhaps to add members. The report was accepted.

William T. Frary, the association's public relations counsel, reported on the activities of his office during the year. He reported that several broadcasts had been obtained for members and considerable space had been secured for press articles contributed by the membership.

He stated that his office was working on the association's project on a twelve months' basis. He stressed the need of more speakers' being available in all localities for the coming year. He hoped that each member would supply him with an article on some phase of the business, as well as pictures of memorials, honor rolls and landscape plantings planted during the year, all of which he can use to great advantage.

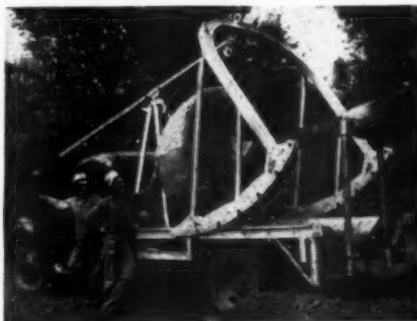
It was voted to retain Mr. Frary's service again for three months in the spring and three months in the fall.

Starting the educational program in the afternoon, P. Van Tol, chairman of the educational committee, introduced as his "mystery spreader," Dr. C. J. Gilgut, of the Waltham field station.

Dr. Gilgut spoke on nursery problems and exhorted the nurserymen to make more use of their agricultural schools and experiment stations. He said they should use more fertilizer and organic material on their crops. Fertilize light, he recommended, and use a steady supply of water. Fertilize to take the plants over the hump of slow growth and maintain a steady, even growth. In turning over a cover crop, apply 200 to 300 pounds of nitrate to help bacteria rot the cover or humus crop.

As John Leghorn was not present, the time allotted him was turned over to Luke May, of the Lexington Nurseries, to speak on the veterans' train-

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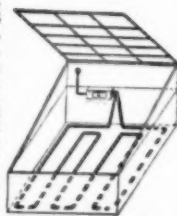
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ing program which he is conducting at his nursery.

Homer Dodge, of the Landscape Service Co., Framingham, Mass., talked on construction problems and estimating costs in developing the suburban home grounds. He offered many helpful hints to the landscape nurserymen. He pointed out that you make your own troubles. Your work is usually the result of your own suggestions.

Edmund Prellwitz, of the Greenwood Nurseries, Greenwood, R. I., gave an interesting illustrated talk on suburban home grounds.

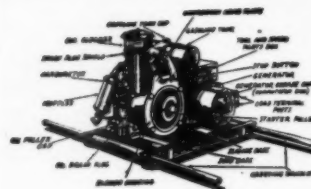
A good estimator does his work with precision, he said, but also on hunch or feeling of the job. On grading, it is best to sublet the contract of excavating and filling to contractors equipped for this type of work with the necessary machinery. It is also advisable to take advantage of contractors looking for a place to dump and thereby save money on fill. Include in your cost estimates such items as wheeling and spreading loam and fill. A good guide for this is Underwood's estimating of construction costs. In spreading loam you should allow for a shrinkage of twenty-five per cent to guarantee the depth agreed upon with the client.

Use instruments or a string to determine levels, rather than the eye to determine depth of excavation. It is more advisable to work on a time basis than on a contract basis, as weather may affect the output of labor because of the extremes of heat or cold.

AT ITS new location, the Cole Nursery Co., Painesville, O., has remodeled the old buildings and built a storage house of Haydite, similar to concrete blocks. It is planned to concentrate operations at the new farm of 238 acres, while more of the land at the old location will be disposed of. Including the sale of the highway frontage, which caused the move, over 100 acres have been sold out of more than 600 acres.

THE Wishing Villa Nurseries, Salt Lake City, Utah, of which Annell Hesterman is treasurer, report that, because both of the younger brothers have recently been drafted and the mother, Mrs. W. B. Hesterman, who has been managing the business, is seriously ill, it will be necessary to close the business. The Hestermans hope to resume the operation of their nursery at some time in the future.

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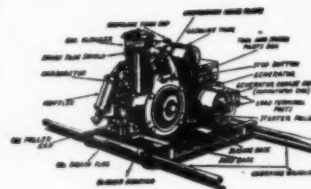
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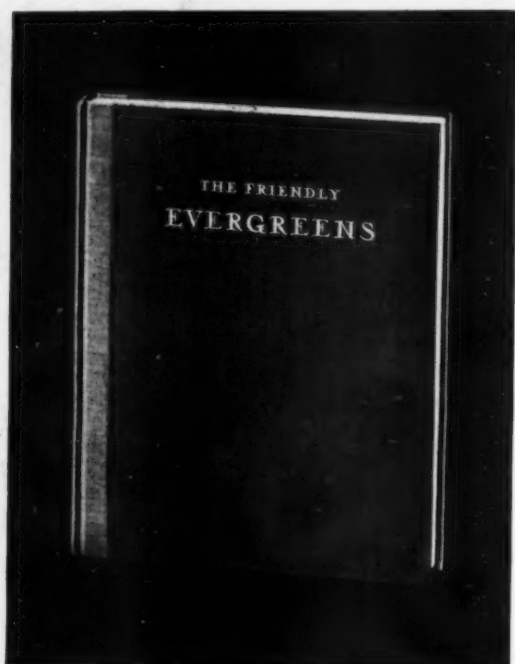
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